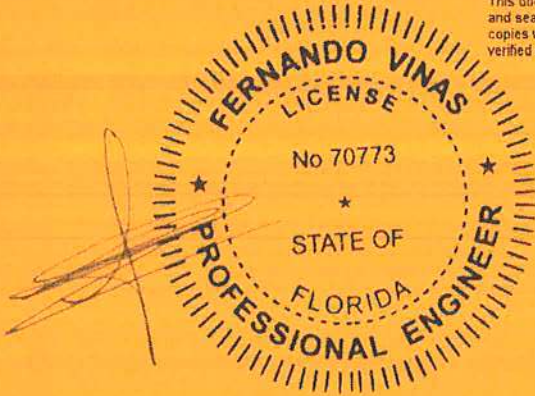


This document has been electronically signed and sealed using a Digital Signature. Printed copies without an original signature must be verified using the original electronic version.

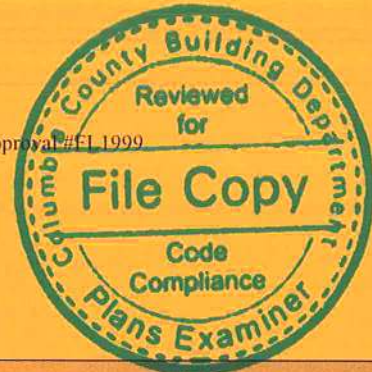


Alpine, an ITW Company  
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02/01/2023

COA#0 278  
Florida Certificate of Product Approval #EL 1999



| Site Information:                       | Page 1:             |
|-----------------------------------------|---------------------|
| Customer: Seminole Trusses, Inc.        | Job Number: B56442a |
| Job Description: Otero Res              |                     |
| Address: SW Bsrney St, High Springs, FL |                     |

| Job Engineering Criteria:                           |                                                       |
|-----------------------------------------------------|-------------------------------------------------------|
| Design Code: FBC 7th Ed. 2020 Res.                  | IntelliVIEW Version: 21.01.03A<br>JRef #: 1XMT8570005 |
| Wind Standard: ASCE 7 16      Wind Speed (mph): 130 | Design Loading (psf): 37.00                           |
| Building Type: Closed                               |                                                       |

This package contains general notes pages, 28 truss drawing(s) and 6 detail(s).

| Item | Drawing Number    | Truss | Item | Drawing Number    | Truss |
|------|-------------------|-------|------|-------------------|-------|
| 1    | 031.23.2012.49427 | A1    | 2    | 031.23.2012.41593 | A2    |
| 3    | 031.23.2012.37380 | A3    | 4    | 031.23.2012.34453 | AGE1  |
| 5    | 031.23.2012.28913 | AGE2  | 6    | 031.23.2012.06333 | B1    |
| 7    | 031.23.2012.03060 | B2    | 8    | 031.23.2012.00760 | BG1   |
| 9    | 031.23.2011.20510 | C1    | 10   | 031.23.2011.18647 | C1A   |
| 11   | 031.23.2011.16803 | C2    | 12   | 031.23.2011.14980 | C3    |
| 13   | 031.23.2011.12537 | CG1   | 14   | 031.23.2010.49880 | CJ2   |
| 15   | 031.23.2010.46510 | CJ4   | 16   | 031.23.2010.44460 | CJ6   |
| 17   | 031.23.2010.42343 | D1    | 18   | 031.23.2010.35857 | DG1   |
| 19   | 031.23.2010.19237 | DG2   | 20   | 031.23.2010.03210 | E1    |
| 21   | 031.23.2010.01090 | E2    | 22   | 031.23.2009.58953 | EGE1  |
| 23   | 031.23.2009.44950 | EJ8   | 24   | 031.23.2009.48457 | EJ10  |
| 25   | 031.23.2009.41797 | HJ11  | 26   | 031.23.2009.32373 | HJ11A |
| 27   | 031.23.2009.16257 | M1    | 28   | 031.23.2009.09133 | S1    |
| 29   | PB160160118       |       | 30   | PB180160118       |       |
| 31   | REPCHRD1014       |       | 32   | A14015ENC160118   |       |
| 33   | GBLLETIN0118      |       | 34   | CNNAILSP1014      |       |



## **General Notes**

### **Truss Design Engineer Scope of Work, Design Assumptions and Design Responsibilities:**

The design responsibilities assumed in the preparation of these design drawings are those specified in ANSI/TPI 1, Chapter 2; and the National Design Standard for Metal Plate Connected Wood Truss Construction, by the Truss Plate Institute. The truss component designs conform to the applicable provisions of ANSI/TPI 1 and NDS, the National Design Specification for Wood Construction by AWC. The truss component designs are based on the specified loading and dimension information furnished by others to the Truss Design Engineer. The Truss Design Engineer has no duty to independently verify the accuracy or completeness of the information provided by others and may rely on that information without liability. The responsibility for verification of that information remains with others neither employed nor controlled by the Truss Design Engineer. The Truss Design Engineer's seal and signature on the attached drawings, or cover page listing these drawings, indicates acceptance of professional engineering responsibility solely for the truss component designs and not for the technical information furnished by others which technical information and consequences thereof remain their sole responsibility.

The suitability and use of these drawings for any particular structure is the responsibility of the Building Designer in accordance with ANSI/TPI 1 Chapter 2. The Building Designer is responsible for determining that the dimensions and loads for each truss component match those required by the plans and by the actual use of the individual component, and for ascertaining that the loads shown on the drawings meet or exceed applicable building code requirements and any additional factors required in the particular application. Truss components using metal connector plates with integral teeth shall not be placed in environments that will cause the moisture content of the wood in which plates are embedded to exceed 19% and/or cause corrosion of connector plates and other metal fasteners.

The Truss Design Engineer shall not be responsible for items beyond the specific scope of the agreed contracted work set forth herein, including but not limited to: verifying the dimensions of the truss component, calculation of any of the truss component design loads, inspection of the truss components before or after installation, the design of temporary or permanent bracing and their attachment required in the roof and/or floor systems, the design of diaphragms or shear walls, the design of load transfer connections to and from diaphragms and shear walls, the design of load transfer to the foundation, the design of connections for truss components to their bearing supports, the design of the bearing supports, installation of the truss components, observation of the truss component installation process, review of truss assembly procedures, sequencing of the truss component installation, construction means and methods, site and/or worker safety in the installation of the truss components and/or its connections.

This document may be a high quality facsimile of the original engineering document which is a digitally signed electronic file with third party authentication. A wet or embossed seal copy of this engineering document is available upon request.

### **Temporary Lateral Restraint and Bracing:**

Temporary lateral restraint and diagonal bracing shall be installed according to the provisions of BCSI chapters B1, B2, B7 and/or B10 (Building Component Safety Information, by TPI and SBCA), or as specified by the Building Designer or other Registered Design Professional. The required locations for lateral restraint and/or bracing depicted on these drawings are only for the permanent lateral support of the truss members to reduce buckling lengths, and do not apply to and may not be relied upon for the temporary stability of the truss components during their installation.

### **Permanent Lateral Restraint and Bracing:**

The required locations for lateral restraint or bracing depicted on these drawings are for the permanent lateral support of the truss members to reduce buckling lengths. Permanent lateral support shall be installed according to the provisions of BCSI chapters B3, B7 and/or B10, or as specified by the Building Designer or other Registered Design Professional. These drawings do not depict or specify installation/erection bracing, wind bracing, portal bracing or similar building stability bracing which are parts of the overall building design to be specified, designed and detailed by the Building Designer.

### **Connector Plate Information:**

Alpine connector plates are made of ASTM A653 or ASTM A1063 galvanized steel with the following designations, gauges and grades: W=Wave, 20ga, grade 40; H=High Strength, 20ga, grade 60; S=Super Strength, 18ga, grade 60. Information on model code compliance is contained in the ICC Evaluation Service report ESR 1118, available on line at [www.icc-es.org](http://www.icc-es.org).

### **Fire Retardant Treated Lumber:**

Fire retardant treated lumber must be properly re dried and maintained below 19% or less moisture level through all stages of construction and usage. Fire retardant treated lumber may be more brittle than untreated lumber. Special handling care must be taken to prevent breakage during all handling activities.



## **General Notes** (continued)

### **Key to Terms:**

Information provided on drawings reflects a summary of the pertinent information required for the truss design. Detailed information on load cases, reactions, member lengths, forces and members requiring permanent lateral support may be found in calculation sheets available upon written request.

BCDL = Bottom Chord standard design Dead Load in pounds per square foot.

BCLL = Bottom Chord standard design Live Load in pounds per square foot.

CL = Certified lumber.

Des Ld = total of TCLL, TCDL, BCLL and BCDL Design Load in pounds per square foot.

FRT = Fire Retardant Treated lumber.

FRT DB = D Blaze Fire Retardant Treated lumber.

FRT DC = Dricon Fire Retardant Treated lumber.

FRT FP = FirePRO Fire Retardant Treated lumber.

FRT FL = FlamePRO Fire Retardant Treated lumber.

FRT FT = FlameTech Fire Retardant Treated lumber.

FRT PG = PYRO GUARD Fire Retardant Treated lumber.

g = green lumber.

HORZ(LL) = maximum Horizontal panel point deflection due to Live Load, in inches.

HORZ(TL) = maximum Horizontal panel point long term deflection in inches, due to Total Load, including creep adjustment.

HPL = additional Horizontal Load added to a truss Piece in pounds per linear foot or pounds.

Ic = Incised lumber.

FJ = Finger Jointed lumber.

L/# = user specified divisor for limiting span/deflection ratio for evaluation of actual L/defl value.

L/defl = ratio of Length between bearings, in inches, divided by the vertical Deflection due to creep, in inches, at the referenced panel point. Reported as 999 if greater than or equal to 999.

Loc = Location, starting location of left end of bearing or panel point (joint) location of deflection.

Max BC CSI = Maximum bending and axial Combined Stress Index for Bottom Chords for of all load cases.

Max TC CSI = Maximum bending and axial Combined Stress Index for Top Chords for of all load cases.

Max Web CSI = Maximum bending and axial Combined Stress Index for Webs for of all load cases.

NCBCLL = Non Concurrent Bottom Chord design Live Load in pounds per square foot.

PL = additional Load applied at a user specified angle on a truss Piece in pounds per linear foot or pounds.

PLB = additional vertical load added to a Bottom chord Piece of a truss in pounds per linear foot or pounds

PLT = additional vertical load added to a Top chord Piece of a truss in pounds per linear foot or pounds.

PP = Panel Point.

R = maximum downward design Reaction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

R = maximum upward design Reaction, in pounds, from all specified gravity load cases, at the identified location (Loc).

Rh = maximum horizontal design Reaction in either direction, in pounds, from all specified gravity load cases, at the indicated location (Loc).

RL = maximum horizontal design Reaction in either direction, in pounds, from all specified non gravity (wind or seismic) load cases, at the indicated location (Loc).

Rw = maximum downward design Reaction, in pounds, from all specified non gravity (wind or seismic) load cases, at the identified location (Loc).

TCDL = Top Chord standard design Dead Load in pounds per square foot.

TCLL = Top Chord standard design Live Load in pounds per square foot.

U = maximum Upward design reaction, in pounds, from all specified non gravity (wind or seismic) load cases, at the indicated location (Loc).

VERT(CL) = maximum Vertical panel point deflection in inches due to Live Load and Creep Component of Dead Load in inches.

VERT(CTL) = maximum Vertical panel point deflection ratios due to Live Load and Creep Component of Dead Load, and maximum long term Vertical panel point deflection in inches due to Total load, including creep adjustment.

VERT(LL) = maximum Vertical panel point deflection in inches due to Live Load.

VERT(TL) = maximum Vertical panel point long term deflection in inches due to Total load, including creep adjustment.

W = Width of non hanger bearing, in inches.

Refer to ASCE 7 for Wind and Seismic abbreviations.

Uppercase Acronyms not explained above are as defined in TPI 1.

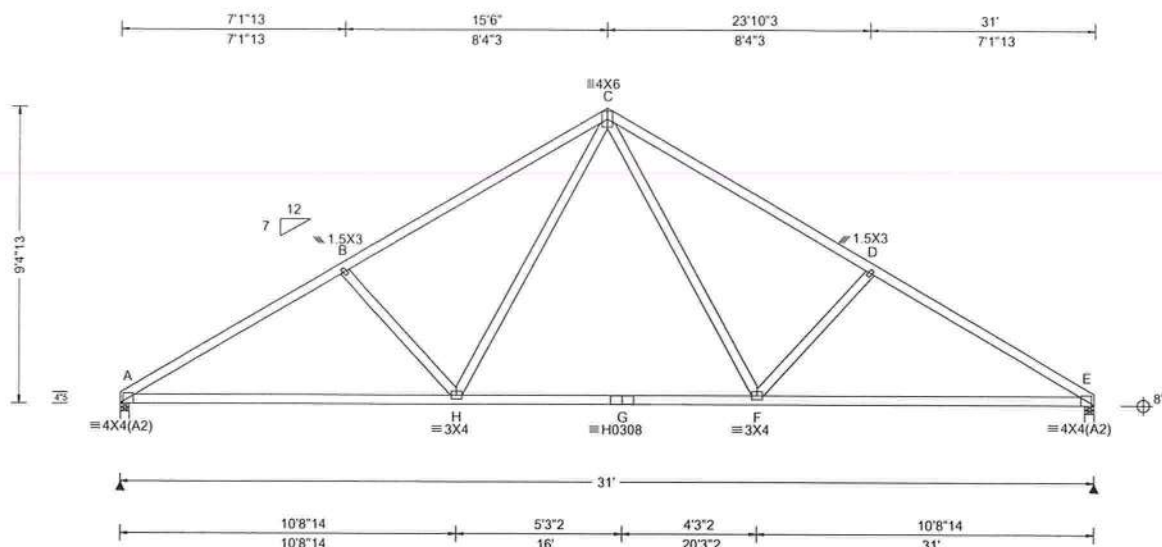
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**References:**

1. AWC: American Wood Council; 222 Catoctin Circle SE, Suite 201; Leesburg, VA 20175; [www.awc.org](http://www.awc.org).
  2. ICC: International Code Council; [www.iccsafe.org](http://www.iccsafe.org).
  3. Alpine, a division of ITW Building Components Group Inc.: 155 Harlem Ave, North Building, 4th Floor, Glenview, IL 60025; [www.alpineitw.com](http://www.alpineitw.com).
  4. TPI: Truss Plate Institute, 2670 Crain Highway, Suite 203, Waldorf, MD 20601; [www.tpinst.org](http://www.tpinst.org).
  5. SBCA: Wood Truss Council of America, 6300 Enterprise Lane, Madison, WI 53719; [www.sbcacomponents.com](http://www.sbcacomponents.com).
-



|                          |      |                  |                                                     |                                                                                    |
|--------------------------|------|------------------|-----------------------------------------------------|------------------------------------------------------------------------------------|
| SEQN: 26171<br>FROM: CVB | COMN | Ply: 1<br>Qty: 6 | Job Number: B56442a<br>Otero Res<br>Truss Label: A1 | Cust: R 857 JRef: 1XMT8570005 T4<br>DrwNo: 031.23.2012.49427<br>GA / FV 01/31/2023 |
|--------------------------|------|------------------|-----------------------------------------------------|------------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                             | Wind Criteria                                                                                                                                                                                                                                                                       | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                                   | Defl/CSI Criteria                                                                                                                                                                                                                                           | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7 16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 4.2 psf<br>BCDL: 6.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.10 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE, HS | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.087 F 999 240<br>VERT(CL): 0.154 F 999 180<br>HORZ(LL): 0.037 E<br>HORZ(TL): 0.066 E<br>Creep Factor: 2.0<br>Max TC CSI: 0.507<br>Max BC CSI: 0.728<br>Max Web CSI: 0.318<br><br>VIEW Ver: 21.01.03A.0805.15 | Gravity Non Gravity<br>Loc R+ / R / Rh / Rw / U / RL<br>A 1289 / / /636 /209 /233<br>E 1289 / / /636 /209 /<br>Wind reactions based on MWFRS<br>A Brg Wid = 3.5 Min Req = 1.5<br>E Brg Wid = 3.5 Min Req = 1.5<br>Bearings A & E are a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp.<br>A B 612 2105 C D 587 1840<br>B C 587 1840 D E 612 2105 |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;

#### Loading

Truss passed check for 20 psf additional bottom chord live load in areas with 42" high x 24" wide clearance.

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

#### Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

|     |      |     |     |      |     |
|-----|------|-----|-----|------|-----|
| A H | 1749 | 428 | G F | 1159 | 129 |
| H G | 1159 | 129 | F E | 1749 | 428 |

#### Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

|     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|
| B H | 344 | 395 | C F | 709 | 156 |
| H C | 709 | 156 | F D | 344 | 395 |



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#### \*\*WARNING\*\* READ AND FOLLOW ALL NOTES ON THIS DRAWING!

#### \*\*IMPORTANT\*\* FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A Z for standard plate positions. Refer to job's General Notes page for additional information.

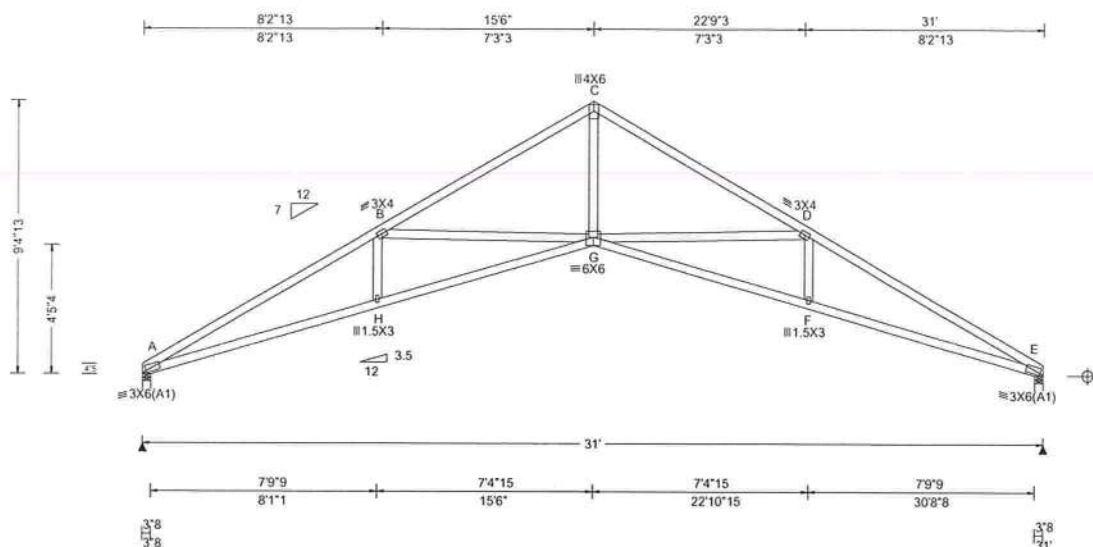
Alpine, a division of ITW Building Components Group Inc, shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: [alpineitw.com](http://alpineitw.com); TPI: [tpinst.org](http://tpinst.org); SBCA: [sbcacomponents.com](http://sbcacomponents.com); ICC: [iccsafe.org](http://iccsafe.org); AWC: [awc.org](http://awc.org)



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North Building, 4th Floor  
Glenview, IL 60025

|             |      |         |                     |                                   |
|-------------|------|---------|---------------------|-----------------------------------|
| SEQN: 26169 | COMN | Ply: 1  | Job Number: B56442a | Cust: R 857 JRef: 1XMT8570005 T34 |
| FROM: CVB   |      | Qty: 11 | Otero Res           | DrwNo: 031.23.2012.41593          |
|             |      |         | Truss Label: A2     | GA / FV 01/31/2023                |



| Loading Criteria (psf) | Wind Criteria                     | Snow Criteria (Pg, Pf in PSF) | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs)                     |
|------------------------|-----------------------------------|-------------------------------|---------------------------------|-----------------------------------------------|
| TCLL: 20.00            | Wind Std: ASCE 7 16               | Pg: NA Ct: NA CAT: NA         | PP Deflection in loc L/defl L/# | Gravity Non Gravity                           |
| TCDL: 7.00             | Speed: 130 mph                    | Pf: NA Ce: NA                 | VERT(LL): 0.278 G 999 240       | Loc R+ / R / Rh / Rw / U / RL                 |
| BCLL: 0.00             | Enclosure: Closed                 | Lu: NA Cs: NA                 | VERT(CL): 0.535 G 689 180       | A 1194 / / /642 /9 /233                       |
| BCDL: 10.00            | Risk Category: II                 | Snow Duration: NA             | HORZ(LL): 0.233 E               | E 1194 / / /642 /9 /                          |
| Des Ld: 37.00          | EXP: C Kzt: NA                    | Building Code:                | HORZ(TL): 0.448 E               | Wind reactions based on MWFRS                 |
| NCBCLL: 10.00          | Mean Height: 15.00 ft             | FBC 7th Ed. 2020 Res.         | Creep Factor: 2.0               | A Brg Wid = 3.5 Min Req = 1.5                 |
| Soffit: 0.00           | TCDL: 4.2 psf                     | TPI Std: 2014                 | Max TC CSI: 0.743               | E Brg Wid = 3.5 Min Req = 1.5                 |
| Load Duration: 1.25    | BCDL: 6.0 psf                     | Rep Fac: Yes                  | Max BC CSI: 0.573               | Bearings A & E are a rigid surface.           |
| Spacing: 24.0 "        | MWFRS Parallel Dist: h to 2h      | FT/RT:20(0)/0(0)              | Max Web CSI: 0.940              | Members not listed have forces less than 375# |
|                        | C&C Dist a: 3.10 ft               | Plate Type(s):                | VIEW Ver: 21.01.03A.0805.15     | Maximum Top Chord Forces Per Ply (lbs)        |
|                        | Loc. from endwall: not in 9.00 ft | WAVE                          |                                 | Chords Tens.Comp. Chords Tens. Comp.          |
|                        | GCpi: 0.18                        |                               |                                 | A B 606 3474 C D 392 2448                     |
|                        | Wind Duration: 1.60               |                               |                                 | B C 392 2448 D E 606 3474                     |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

#### Maximum Bot Chord Forces Per Ply (lbs)

Chords Tens.Comp. Chords Tens. Comp.

|     |      |     |     |      |     |
|-----|------|-----|-----|------|-----|
| A H | 3049 | 452 | G F | 3051 | 452 |
| H G | 3051 | 452 | F E | 3049 | 452 |

#### Maximum Web Forces Per Ply (lbs)

Webs Tens.Comp. Webs Tens. Comp.

|     |      |     |     |     |     |
|-----|------|-----|-----|-----|-----|
| B G | 353  | 882 | G D | 353 | 882 |
| C G | 1948 | 190 |     |     |     |



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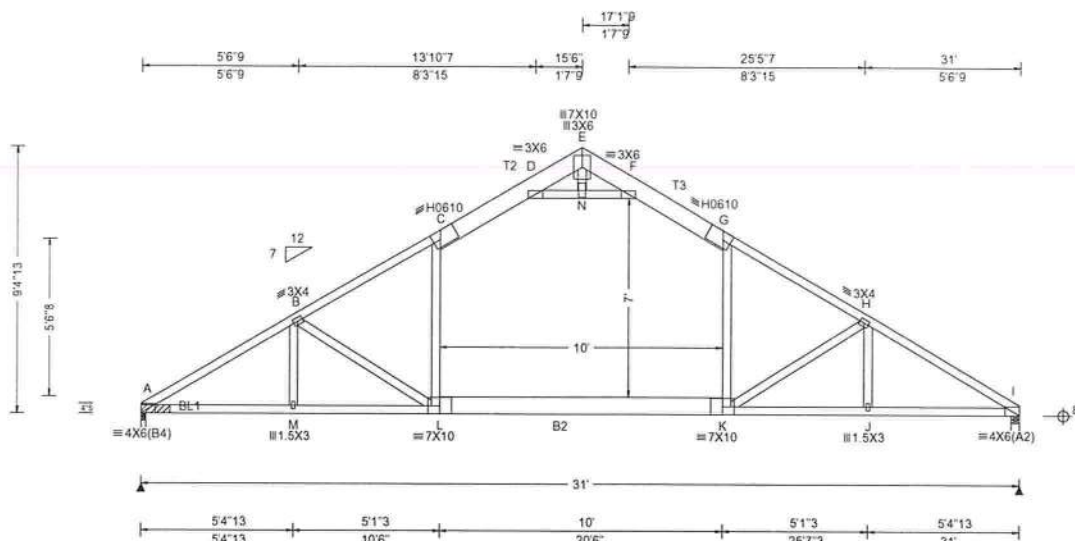
For more information see these web sites: Alpine: [alpineitw.com](http://alpineitw.com); TPI: [tpinst.org](http://tpinst.org); SBCA: [sbccomponents.com](http://sbccomponents.com); ICC: [iccsafe.org](http://iccsafe.org); AWC: [awc.org](http://awc.org)



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|                          |                          |                                                     |                                                                                     |
|--------------------------|--------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------|
| SEQN: 26258<br>FROM: CVB | COMN<br>Ply: 1<br>Qty: 9 | Job Number: B56442a<br>Otero Res<br>Truss Label: A3 | Cust: R 857 JRef: 1XMT8570005 T11<br>DrwNo: 031.23.2012.37380<br>GA / FV 01/31/2023 |
|--------------------------|--------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                             | Wind Criteria                                                                                                                                                                                                                                                                       | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                                   | Defl/CSI Criteria                                                                                                                                                                                                                                           | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCCL: 7.00<br>BCCL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7 16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCCL: 4.2 psf<br>BCDL: 6.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.10 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT: 20(0)/0(0)<br>Plate Type(s):<br>WAVE, HS | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.502 L 735 240<br>VERT(CL): 1.123 L 328 180<br>HORZ(LL): 0.269 C<br>HORZ(TL): 0.601 C<br>Creep Factor: 2.0<br>Max TC CSI: 0.771<br>Max BC CSI: 0.848<br>Max Web CSI: 0.499<br><br>VIEW Ver: 21.01.03A.0805.15 | Gravity<br>Loc R+ / R / Rh / Rw / U / RL<br>Non Gravity<br>A 1824 / / / /634 /206 /231<br>I 1831 / / / /637 /207 /<br>Wind reactions based on MWFRS<br>A Brg Wid = 2.0 Min Req =<br>I Brg Wid = 3.5 Min Req = 2.2<br>Bearings A & I are a rigid surface.<br>Members not listed have forces less than 375#<br>Maximum Top Chord Forces Per Ply (lbs)<br>Chords Tens.Comp. Chords Tens. Comp. |

#### Lumber

Top chord: 2x4 SP SS Dense; T2,  
T3 2x8 SP SS Dense;  
Bot chord: 2x4 SP #1; B2 2x8 SP SS Dense;  
Webs: 2x4 SP #3;

#### Loading

Attic room loading from 10 6 0 to 20 6 0: Live Load: 40  
PSF. Dead Load: 10 PSF Ceiling: 10 PSF, Kneewalls:  
10 PSF

#### Purlins

Collar tie braced with continuous lateral bracing at 24"  
oc. or rigid ceiling.

#### Wind

Wind loads based on MWFRS with additional C&C  
member design.

Wind loading based on both gable and hip roof types.

#### Bearing Block(s)

Brg blocks: 0.128"x3", min. nails  
brg x loc #blocks length/blk #nails/blk wall plate  
1 0.000' 1 12" 4 Rigid Surface  
Brg block to be same size and species as chord.  
Refer to drawing CNNAILSP1014 for more information.



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02/01/2023

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**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

|                               |                               |                                     |                                 |                                               |
|-------------------------------|-------------------------------|-------------------------------------|---------------------------------|-----------------------------------------------|
| <b>Loading Criteria</b> (psf) | <b>Wind Criteria</b>          | <b>Snow Criteria</b> (Pg,Pf in PSF) | <b>Defl/CSI Criteria</b>        | <b>▲ Maximum Reactions (lbs), or *=PLF</b>    |
| TCLL: 20.00                   | Wind Std: ASCE 7 16           | Pg: NA Ct: NA CAT: NA               | PP Deflection in loc L/defl L/# | Gravity Non Gravity                           |
| TCDL: 7.00                    | Speed: 130 mph                | Pf: NA Ce: NA                       | VERT(LL): 0.005 P 999 240       | Loc R+ / R / Rh / Rw / U / RL                 |
| BCLL: 0.00                    | Enclosure: Closed             | Lu: NA Cs: NA                       | VERT(CL): 0.010 P 999 180       | AF* 117 / / /62 / /14                         |
| BCDL: 10.00                   | Risk Category: II             | Snow Duration: NA                   | HORZ(LL): 0.005 K               | Wind reactions based on MWFRS                 |
|                               | EXP: C Kzt: NA                |                                     | HORZ(TL): 0.008 K               | AF Brg Wid = 372 Min Req =                    |
| Des Ld: 37.00                 | Mean Height: 15.00 ft         | Building Code:                      | Creep Factor: 2.0               | Bearing A is a rigid surface.                 |
| NCBCLL: 10.00                 | TCDL: 4.2 psf                 | FBC 7th Ed. 2020 Res.               | Max TC CSI: 0.105               | Members not listed have forces less than 375# |
| Soffit: 0.00                  | BCDL: 6.0 psf                 | TPI Std: 2014                       | Max BC CSI: 0.068               |                                               |
| Load Duration: 1.25           | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Varies by Ld Case          | Max Web CSI: 0.144              |                                               |
| Spacing: 24.0 "               | C&C Dist a: 3.10 ft           | FT/RT:20(0)/0(0)                    |                                 |                                               |
|                               | Loc. from endwall: Any        | Plate Type(s):                      |                                 |                                               |
|                               | GCpi: 0.18                    | WAVE                                |                                 |                                               |
|                               | Wind Duration: 1.60           |                                     | VIEW Ver: 21.01.03A.0805.15     |                                               |

## Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;  
Stack Chord: SC1 2x4 SP #1;  
Stack Chord: SC2 2x4 SP #1;

## Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" oc.

### Plating Notes

All plates are 1.5X3 except as noted.

## Loading

Truss designed to support 140 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

### Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

### Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notchable area using 3x4 tie plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notchable area using 3x6.



COA#0 278

Florida Certificate of Product Approval #FL1999  
02/01/2023

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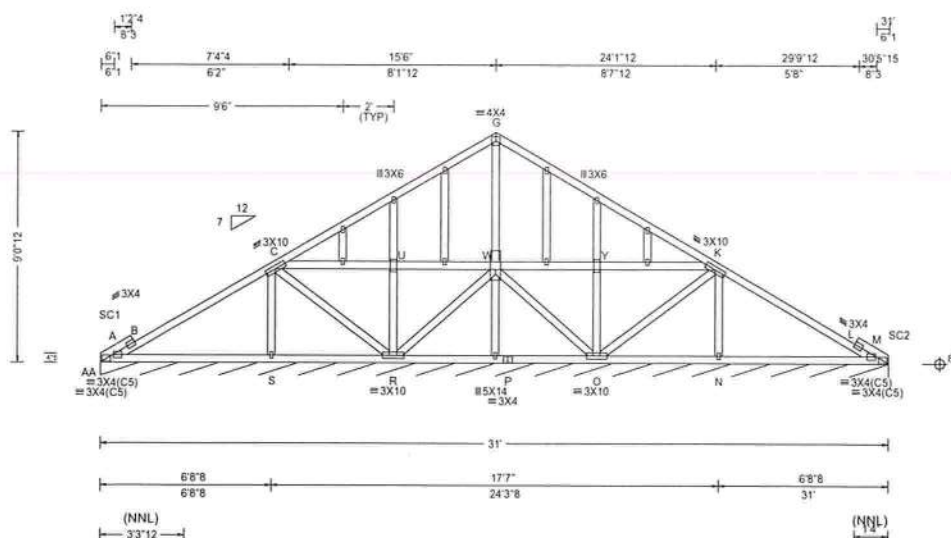
For more information see these web sites: Alpine: [alpineitw.com](http://alpineitw.com); TPI: [tpinst.org](http://tpinst.org); SBCA: [sbcacomponents.com](http://sbcacomponents.com); ICC: [iccsafe.org](http://iccsafe.org); AWC: [awc.org](http://awc.org)



155 Harlem Ave  
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|             |      |        |                     |                                  |
|-------------|------|--------|---------------------|----------------------------------|
| SEQN: 26214 | GABL | Ply: 1 | Job Number: B56442a | Cust: R 857 JRef: 1XMT8570005 T6 |
| FROM: CVB   |      | Qty: 1 | Otero Res           | DrwNo: 031.23.2012.28913         |
|             |      |        | Truss Label: AGE2   | GA / FV 01/31/2023               |



| Loading Criteria (psf) | Wind Criteria                 | Snow Criteria (Pg, Pf in PSF) | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs), or *PLF            |
|------------------------|-------------------------------|-------------------------------|---------------------------------|-----------------------------------------------|
| TCLL: 20.00            | Wind Std: ASCE 7 16           | Pg: NA Ct: NA CAT: NA         | PP Deflection in loc L/defl L/# | Gravity Non Gravity                           |
| TCCL: 7.00             | Speed: 130 mph                | Pf: NA Ce: NA                 | VERT(LL): 0.037 B 999 240       | Loc R+ / R / Rh / Rw / U / RL                 |
| BCCL: 0.00             | Enclosure: Closed             | Lu: NA Cs: NA                 | VERT(CL): 0.079 B 999 180       | AA*119 / / /43 /4 /6                          |
| BCDL: 10.00            | Risk Category: II             | Snow Duration: NA             | HORZ(LL): 0.017 B               | Wind reactions based on MWFRS                 |
| Des Ld: 37.00          | EXP: C Kzt: NA                | Building Code:                | HORZ(TL): 0.036 B               | AA Brg Wid = 372 Min Req =                    |
| NCBCLL: 10.00          | Mean Height: 15.00 ft         | FBC 7th Ed. 2020 Res.         | Creep Factor: 2.0               | Bearing AA is a rigid surface.                |
| Soffit: 0.00           | TCCL: 4.2 psf                 | TPI Std: 2014                 | Max TC CSI: 0.654               | Members not listed have forces less than 375# |
| Load Duration: 1.25    | BCDL: 6.0 psf                 | Rep Fac: Varies by Ld Case    | Max BC CSI: 0.240               | <b>Maximum Top Chord Forces Per Ply (lbs)</b> |
| Spacing: 24.0 "        | MWFRS Parallel Dist: 0 to h/2 | FT/RT:20(0)/0(0)              | Max Web CSI: 0.224              | Chords Tens.Comp. Chords Tens. Comp.          |
|                        | C&C Dist a: 3.10 ft           | Plate Type(s):                | VIEW Ver: 21.01.03A.0805.15     | A B 956 458 K L 546 0                         |
|                        | Loc. from endwall: Any        | WAVE                          |                                 | B C 546 0 L M 954 470                         |
|                        | GCpi: 0.18                    |                               |                                 |                                               |
|                        | Wind Duration: 1.60           |                               |                                 |                                               |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;  
Stack Chord: SC1 2x4 SP #1;  
Stack Chord: SC2 2x4 SP #1;

#### Plating Notes

All plates are 1.5X3 except as noted.

#### Loading

Truss designed to support 1 4 0 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

#### Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.

LATERALLY BRACE TOP CHORD BELOW FILLER AT 2'0" O.C. MAX. INCLUDING A LATERAL BRACE AT CHORD ENDS.

#### Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

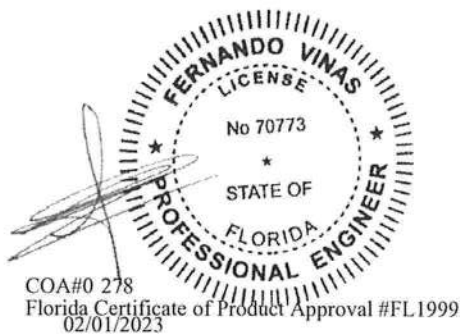
Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notched area using 3x4 tie plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6.

#### Maximum Web Forces Per Ply (lbs)

| Webs | Tens.Comp. | Webs | Tens. Comp. |
|------|------------|------|-------------|
| S C  | 0 745      | Y O  | 310 486     |
| U R  | 335 486    | K N  | 100 745     |

#### Maximum Gable Forces Per Ply (lbs)

| Gables | Tens.Comp. |
|--------|------------|
| G W    | 0 484      |



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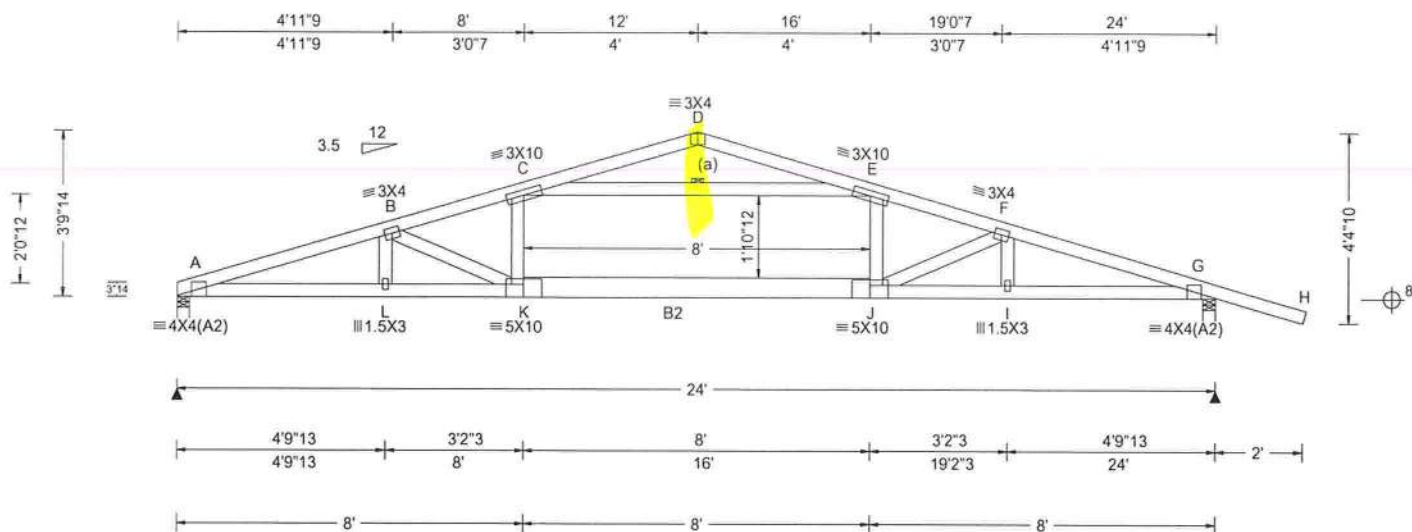
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|                          |                |                                                               |                                                                                     |
|--------------------------|----------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SEQN: 26204<br>FROM: CVB | CONN<br>Qty: 6 | Ply: 1<br>Job Number: B56442a<br>Otero Res<br>Truss Label: B1 | Cust: R 857 JRef: 1XMT8570005 T26<br>DrwNo: 031.23.2012.06333<br>GA / FV 01/31/2023 |
|--------------------------|----------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                                 | Wind Criteria                                                                                                                                                                                                                                                                                 | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                               | Defl/CSI Criteria                                                                                                                                                                                                                                           | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |      |  |             |  |  |     |    |     |      |      |     |      |   |     |   |   |      |      |     |   |      |   |   |      |      |   |     |          |     |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------|--|-------------|--|--|-----|----|-----|------|------|-----|------|---|-----|---|---|------|------|-----|---|------|---|---|------|------|---|-----|----------|-----|---------|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br><br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7 16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 4.2 psf<br>BCDL: 6.0 psf<br>MWFRS Parallel Dist: h/2 to h<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 9.00 ft<br>GCp: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.136 K 999 240<br>VERT(CL): 0.247 K 999 180<br>HORZ(LL): 0.036 G<br>HORZ(TL): 0.065 G<br>Creep Factor: 2.0<br>Max TC CSI: 0.264<br>Max BC CSI: 0.425<br>Max Web CSI: 0.597<br><br>VIEW Ver: 21.01.03A.0805.15 | <table><tr><th colspan="3">Gravity</th><th colspan="3">Non Gravity</th></tr><tr><th>Loc</th><th>R+</th><th>/ R</th><th>/ Rh</th><th>/ Rw</th><th>/ U</th><th>/ RL</th></tr><tr><td>A</td><td>890</td><td>/</td><td>/</td><td>/455</td><td>/172</td><td>/80</td></tr><tr><td>G</td><td>1012</td><td>/</td><td>/</td><td>/545</td><td>/218</td><td>/</td></tr></table> <p>Wind reactions based on MWFRS<br/>A Brg Wid = 3.5 Min Req = 1.5<br/>G Brg Wid = 3.5 Min Req = 1.5<br/>Bearings A &amp; G are a rigid surface.<br/>Members not listed have forces less than 375#<br/><b>Maximum Top Chord Forces Per Ply (lbs)</b><br/>Chords Tens.Comp. Chords Tens. Comp.</p> <table><tr><td>A B</td><td>826 2412</td><td>D E</td><td>320 485</td></tr></table> | Gravity |      |  | Non Gravity |  |  | Loc | R+ | / R | / Rh | / Rw | / U | / RL | A | 890 | / | / | /455 | /172 | /80 | G | 1012 | / | / | /545 | /218 | / | A B | 826 2412 | D E | 320 485 |
| Gravity                                                                                                                                                |                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                            | Non Gravity                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |      |  |             |  |  |     |    |     |      |      |     |      |   |     |   |   |      |      |     |   |      |   |   |      |      |   |     |          |     |         |
| Loc                                                                                                                                                    | R+                                                                                                                                                                                                                                                                                            | / R                                                                                                                                                                                                        | / Rh                                                                                                                                                                                                                                                        | / Rw                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | / U     | / RL |  |             |  |  |     |    |     |      |      |     |      |   |     |   |   |      |      |     |   |      |   |   |      |      |   |     |          |     |         |
| A                                                                                                                                                      | 890                                                                                                                                                                                                                                                                                           | /                                                                                                                                                                                                          | /                                                                                                                                                                                                                                                           | /455                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | /172    | /80  |  |             |  |  |     |    |     |      |      |     |      |   |     |   |   |      |      |     |   |      |   |   |      |      |   |     |          |     |         |
| G                                                                                                                                                      | 1012                                                                                                                                                                                                                                                                                          | /                                                                                                                                                                                                          | /                                                                                                                                                                                                                                                           | /545                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | /218    | /    |  |             |  |  |     |    |     |      |      |     |      |   |     |   |   |      |      |     |   |      |   |   |      |      |   |     |          |     |         |
| A B                                                                                                                                                    | 826 2412                                                                                                                                                                                                                                                                                      | D E                                                                                                                                                                                                        | 320 485                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |      |  |             |  |  |     |    |     |      |      |     |      |   |     |   |   |      |      |     |   |      |   |   |      |      |   |     |          |     |         |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1; B2 2x6 SP #1;  
Webs: 2x4 SP #3;

#### Bracing

(a) Continuous lateral restraint equally spaced on member. Or 2x6 #3 or better "T" reinforcement. 80% length of web member. Attached with 10d Box or Gun (0.128"x3",min.)nails @ 6" oc.

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.



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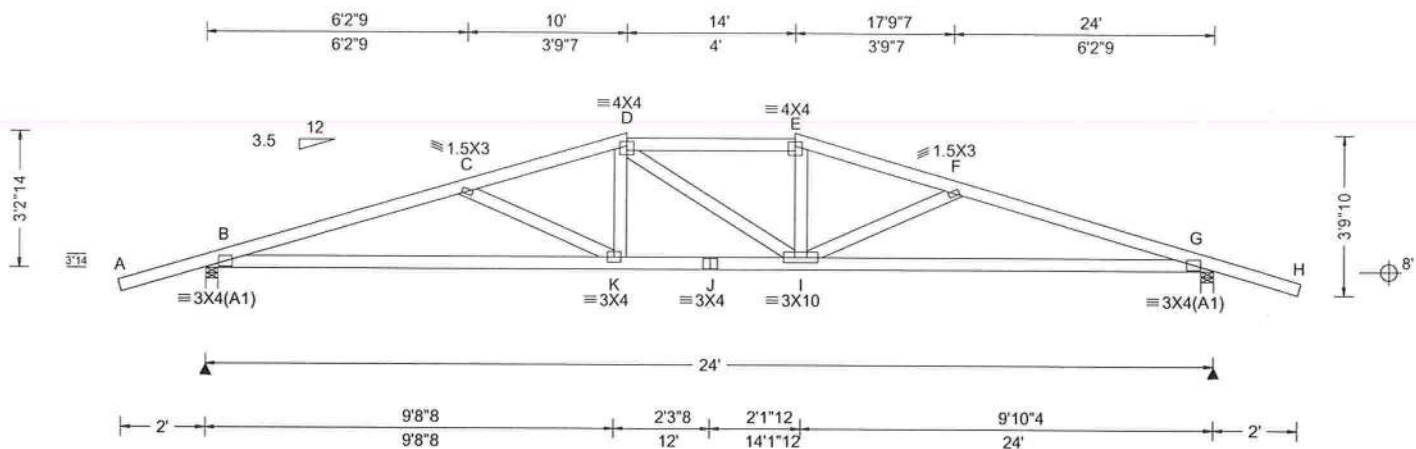
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|                          |                          |                                                     |                                                                                     |
|--------------------------|--------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------|
| SEQN: 26206<br>FROM: CVB | HIPS<br>Ply: 1<br>Qty: 1 | Job Number: B56442a<br>Otero Res<br>Truss Label: B2 | Cust: R 857 JRef: 1XMT8570005 T29<br>DrwNo: 031.23.2012.03060<br>GA / FV 01/31/2023 |
|--------------------------|--------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                             | Wind Criteria                                                                                                                                                                                                                                                                                  | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                              | Defl/CSI Criteria                                                                                                                                                                                                                                           | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7 16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 4.2 psf<br>BCDL: 6.0 psf<br>MWFRS Parallel Dist: h/2 to h<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.129 K 999 240<br>VERT(CL): 0.232 K 999 180<br>HORZ(LL): 0.037 G<br>HORZ(TL): 0.067 G<br>Creep Factor: 2.0<br>Max TC CSI: 0.312<br>Max BC CSI: 0.636<br>Max Web CSI: 0.128<br><br>VIEW Ver: 21.01.03A.0805.15 | Gravity Non Gravity<br>Loc R+ / R / Rh / Rw / U / RL<br>B 1006 / / /547 /216 /79<br>G 1006 / / /547 /216 /<br>Wind reactions based on MWFRS<br>B Brg Wid = 3.5 Min Req = 1.5<br>G Brg Wid = 3.5 Min Req = 1.5<br>Bearings B & G are a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp.<br>B C 1006 2220 E F 860 1880<br>C D 864 1891 F G 1007 2218<br>D E 856 1768 |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;

#### Purlins

In lieu of structural panels use purlins to brace all flat  
TC @ 24" oc.

#### Wind

Wind loads based on MWFRS with additional C&C  
member design.

Wind loading based on both gable and hip roof types.



COA#0 278

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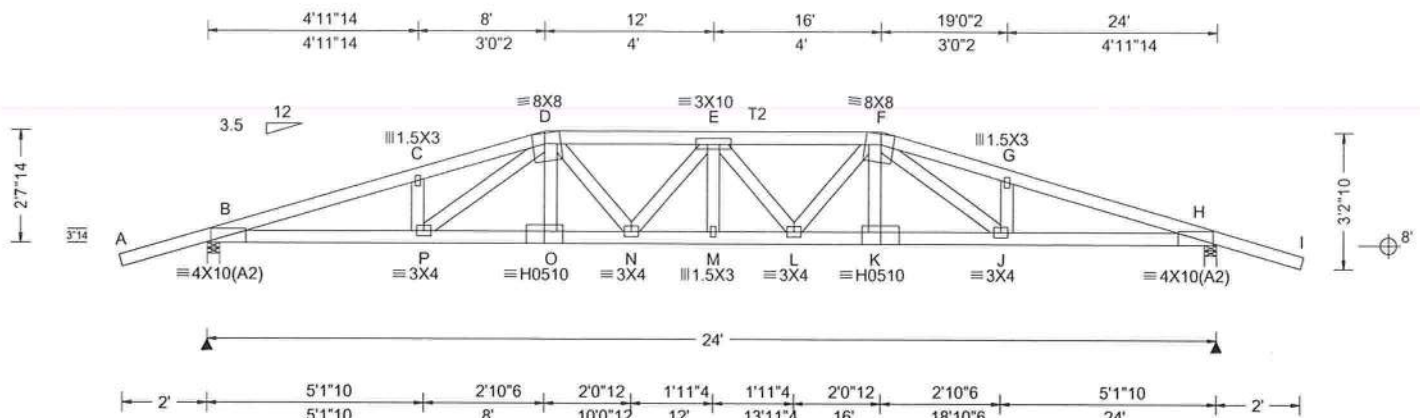
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Glenview, IL 60025

|             |      |        |                     |                                   |
|-------------|------|--------|---------------------|-----------------------------------|
| SEQN: 26225 | HIPS | Ply: 1 | Job Number: B56442a | Cust: R 857 JRef: 1XMT8570005 T15 |
| FROM: CVB   |      | Qty: 1 | Otero Res           | DrwNo: 031.23.2012.00760          |
|             |      |        | Truss Label: BG1    | GA / FV 01/31/2023                |



| Loading Criteria (psf) | Wind Criteria                     | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs)                     |
|------------------------|-----------------------------------|------------------------------|---------------------------------|-----------------------------------------------|
| TCLL: 20.00            | Wind Std: ASCE 7 16               | Pg: NA Ct: NA CAT: NA        | PP Deflection in loc L/defl L/# | Gravity Non Gravity                           |
| TCDL: 7.00             | Speed: 130 mph                    | Pf: NA Ce: NA                | VERT(LL): 0.383 M 742 240       | Loc R+ / R / Rh / Rw / U / RL                 |
| BCLL: 0.00             | Enclosure: Closed                 | Lu: NA Cs: NA                | VERT(CL): 0.698 M 407 180       | B 2193 / / / /451 /                           |
| BCDL: 10.00            | Risk Category: II                 | Snow Duration: NA            | HORZ(LL): 0.093 H               | H 2193 / / / /451 /                           |
| Des Ld: 37.00          | EXP: C Kzt: NA                    | Building Code:               | HORZ(TL): 0.169 H               | Wind reactions based on MWFRS                 |
| NCBCLL: 10.00          | Mean Height: 15.00 ft             | FBC 7th Ed. 2020 Res.        | Creep Factor: 2.0               | B Brg Wid = 3.5 Min Req = 2.2                 |
| Soffit: 0.00           | TCDL: 4.2 psf                     | TPI Std: 2014                | Max TC CSI: 0.771               | H Brg Wid = 3.5 Min Req = 2.2                 |
| Load Duration: 1.25    | BCDL: 6.0 psf                     | Rep Fac: Varies by Ld Case   | Max BC CSI: 0.629               | Bearings B & H are a rigid surface.           |
| Spacing: 24.0 "        | MWFRS Parallel Dist: 0 to h/2     | FT/RT:20(0)/0(0)             | Max Web CSI: 0.260              | Members not listed have forces less than 375# |
|                        | C&C Dist a: 3.00 ft               | Plate Type(s):               | VIEW Ver: 21.01.03A.0805.15     | Maximum Top Chord Forces Per Ply (lbs)        |
|                        | Loc. from endwall: not in 9.00 ft | WAVE, HS                     |                                 | Chords Tens.Comp. Chords Tens. Comp.          |
|                        | GCpi: 0.18                        |                              |                                 | B C 1154 6193 E F 1163 6301                   |
|                        | Wind Duration: 1.60               |                              |                                 | C D 1133 6141 F G 1133 6141                   |
|                        |                                   |                              |                                 | D E 1163 6301 G H 1154 6193                   |

#### Lumber

Top chord: 2x4 SP #1; T2 2x4 SP SS Dense;  
Bot chord: 2x4 SP SS Dense;  
Webs: 2x4 SP #3;

#### Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)

|                                             |
|---------------------------------------------|
| TC: From 55 plf at 2.08 to 55 plf at 8.00   |
| TC: From 27 plf at 8.00 to 27 plf at 16.00  |
| TC: From 55 plf at 16.00 to 55 plf at 26.08 |
| BC: From 20 plf at 0.00 to 20 plf at 8.00   |
| BC: From 10 plf at 8.00 to 10 plf at 16.00  |
| BC: From 20 plf at 16.00 to 20 plf at 24.00 |
| TC: 300 lb Conc. Load at 8.03,15.97         |
| TC: 186 lb Conc. Load at 10.06,12.00,13.94  |
| BC: 546 lb Conc. Load at 8.03,15.97         |
| BC: 141 lb Conc. Load at 10.06,12.00,13.94  |

#### Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

#### Wind

Wind loads and reactions based on MWFRS.

Wind loading based on both gable and hip roof types.



COA#0 278  
Florida Certificate of Product Approval #FL1999  
02/01/2023

#### Maximum Bot Chord Forces Per Ply (lbs)

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| B P    | 5896 1088  | M L    | 6566 1249   |
| P O    | 5873 1105  | L K    | 5915 1107   |
| O N    | 5915 1107  | K J    | 5873 1105   |
| N M    | 6566 1249  | J H    | 5896 1088   |

#### Maximum Web Forces Per Ply (lbs)

| Webs | Tens.Comp. | Webs | Tens. Comp. |
|------|------------|------|-------------|
| D O  | 684 29     | E L  | 137 418     |
| D N  | 587 85     | L F  | 587 85      |
| N E  | 137 418    | K F  | 684 29      |

**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS DRAWING!

**\*\*IMPORTANT\*\*** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

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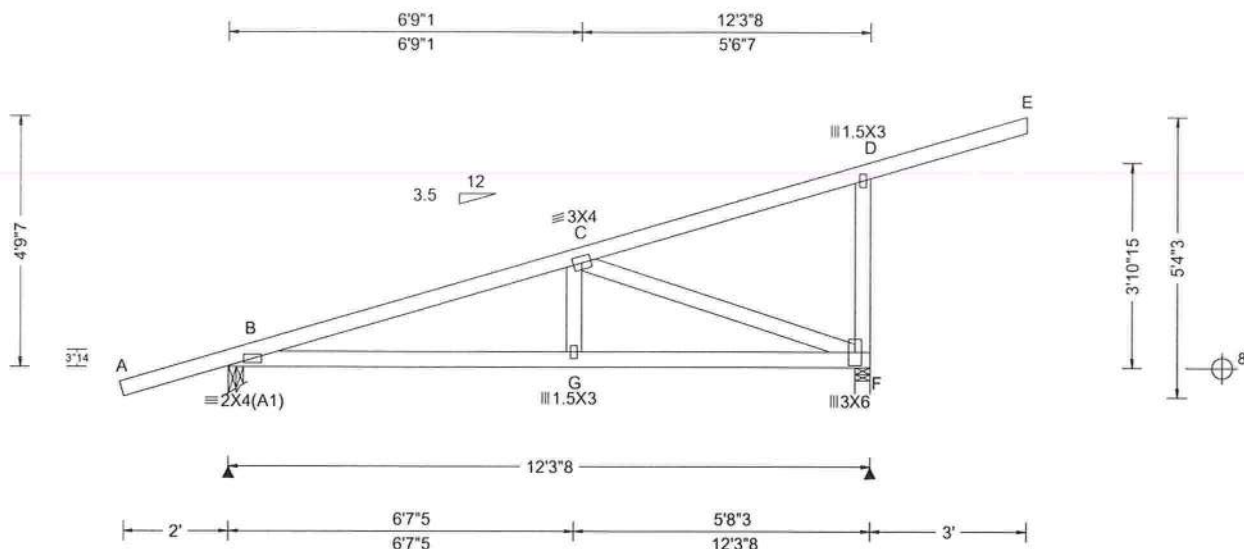
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|             |      |         |                     |                                   |
|-------------|------|---------|---------------------|-----------------------------------|
| SEQN: 26201 | EJAC | Ply: 1  | Job Number: B56442a | Cust: R 857 JRef: 1XMT8570005 T21 |
| FROM: CVB   |      | Qty: 16 | Otero Res           | DrwNo: 031.23.2011.20510          |
|             |      |         | Truss Label: C1     | GA / FV 01/31/2023                |



| Loading Criteria (psf) | Wind Criteria                     | Snow Criteria (Pg, Pf in PSF) | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs)                     |
|------------------------|-----------------------------------|-------------------------------|---------------------------------|-----------------------------------------------|
| TCLL: 20.00            | Wind Std: ASCE 7 16               | Pg: NA Ct: NA CAT: NA         | PP Deflection in loc L/defl L/# | Gravity Non Gravity                           |
| TCDL: 7.00             | Speed: 130 mph                    | Pf: NA Ce: NA                 | VERT(LL): 0.023 G 999 240       | Loc R+ / R / Rh / Rw / U / RL                 |
| BCLL: 0.00             | Enclosure: Closed                 | Lu: NA Cs: NA                 | VERT(CL): 0.040 G 999 180       | B 566 / / /340 /111 /182                      |
| BCDL: 10.00            | Risk Category: II                 | Snow Duration: NA             | HORZ(LL): 0.007 F               | F 626 / / /339 /189 /                         |
| Des Ld: 37.00          | EXP: C Kzt: NA                    | Building Code:                | HORZ(TL): 0.012 F               | Wind reactions based on MWFRS                 |
| NCBCLL: 10.00          | Mean Height: 15.00 ft             | FBC 7th Ed. 2020 Res.         | Creep Factor: 2.0               | B Brg Wid = 3.5 Min Req = 1.5                 |
| Soffit: 0.00           | TCCL: 4.2 psf                     | TPI Std: 2014                 | Max TC CSI: 0.456               | F Brg Wid = 3.5 Min Req = 1.5                 |
| Load Duration: 1.25    | BCDL: 6.0 psf                     | Rep Fac: Yes                  | Max BC CSI: 0.294               | Bearings B & F are a rigid surface.           |
| Spacing: 24.0 "        | MWFRS Parallel Dist: h/2 to h     | FT/RT:20(0)/0(0)              | Max Web CSI: 0.489              | Members not listed have forces less than 375# |
|                        | C&C Dist a: 3.00 ft               | Plate Type(s):                | VIEW Ver: 21.01.03A.0805.15     | <b>Maximum Top Chord Forces Per Ply (lbs)</b> |
|                        | Loc. from endwall: not in 9.00 ft | WAVE                          |                                 | Chords Tens.Comp.                             |
|                        | GCpi: 0.18                        |                               |                                 | B C 215 774                                   |
|                        | Wind Duration: 1.60               |                               |                                 |                                               |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical exposed to wind pressure.  
Deflection meets L/180.

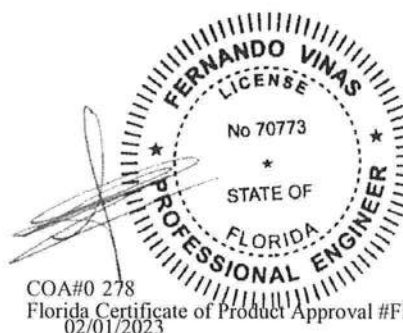
Wind loading based on both gable and hip roof types.

#### Maximum Bot Chord Forces Per Ply (lbs)

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| B G    | 704 347    | G F    | 696 351     |

#### Maximum Web Forces Per Ply (lbs)

| Webs | Tens.Comp. | Webs | Tens. Comp. |
|------|------------|------|-------------|
| C F  | 339 741    | D F  | 445 333     |



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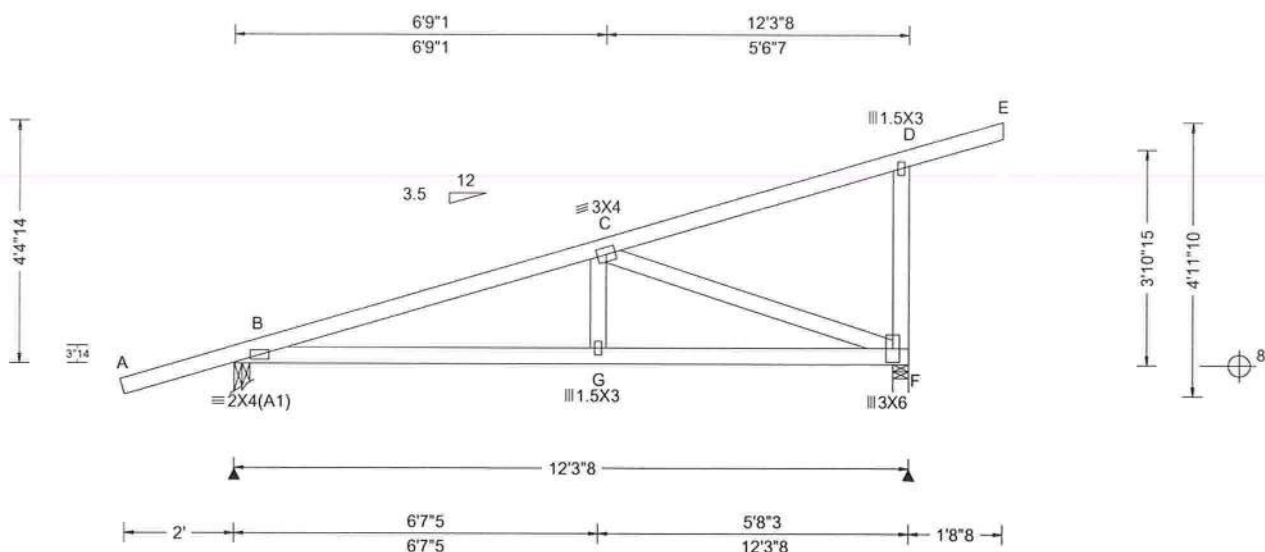
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|                          |                |                                                                |                                                                                     |
|--------------------------|----------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------|
| SEQN: 26210<br>FROM: CVB | EJAC<br>Qty: 1 | Ply: 1<br>Job Number: B56442a<br>Otero Res<br>Truss Label: C1A | Cust: R 857 JRef: 1XMT8570005 T36<br>DrwNo: 031.23.2011.18647<br>GA / FV 01/31/2023 |
|--------------------------|----------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------|



| Loading Criteria (psf) |        | Wind Criteria        |                | Snow Criteria (Pg,Pf in PSF) |        |         | Defl/CSI Criteria |       |        | ▲ Maximum Reactions (lbs) |         |                                               |               |             |      |               |      |      |
|------------------------|--------|----------------------|----------------|------------------------------|--------|---------|-------------------|-------|--------|---------------------------|---------|-----------------------------------------------|---------------|-------------|------|---------------|------|------|
| TCLL:                  | 20.00  | Wind Std:            | ASCE 7 16      | Pg: NA                       | Ct: NA | CAT: NA | PP Deflection in  | loc   | L/defl | L/#                       | Gravity |                                               |               | Non Gravity |      |               |      |      |
| TCDL:                  | 7.00   | Speed:               | 130 mph        | Pf: NA                       |        | Ce: NA  | VERT(LL):         | 0.025 | G      | 999                       | 240     | Loc                                           | R+            | / R         | / Rh | / Rw          | / U  | / RL |
| BCLL:                  | 0.00   | Enclosure:           | Closed         | Lu: NA                       | Cs: NA |         | VERT(CL):         | 0.044 | G      | 999                       | 180     | B                                             | 579           | /           | /    | /347          | /122 | /173 |
| BCDL:                  | 10.00  | Risk Category:       | II             | Snow Duration:               | NA     |         | HORZ(LL):         | 0.007 | F      |                           |         | F                                             | 542           | /           | /    | /303          | /144 | /    |
|                        |        | EXP:                 | C Kzt: NA      |                              |        |         | HORZ(TL):         | 0.013 | F      |                           |         | Wind reactions based on MWFRS                 |               |             |      |               |      |      |
| Des Ld:                | 37.00  | Mean Height:         | 15.00 ft       | Building Code:               |        |         | Creep Factor:     | 2.0   |        |                           |         | B                                             | Brg Wid = 3.5 |             |      | Min Req = 1.5 |      |      |
| NCBCLL:                | 10.00  | TCDL:                | 4.2 psf        | FBC 7th Ed. 2020 Res.        |        |         | Max TC CSI:       | 0.248 |        |                           |         | F                                             | Brg Wid = 3.5 |             |      | Min Req = 1.5 |      |      |
| Soffit:                | 0.00   | BCDL:                | 6.0 psf        | TPI Std: 2014                |        |         | Max BC CSI:       | 0.295 |        |                           |         | Bearings B & F are a rigid surface.           |               |             |      |               |      |      |
| Load Duration:         | 1.25   | MWFRS Parallel Dist: | h/2 to h       | Rep Fac: Yes                 |        |         | Max Web CSI:      | 0.526 |        |                           |         | Members not listed have forces less than 375# |               |             |      |               |      |      |
| Spacing:               | 24.0 " | C&C Dist a:          | 3.00 ft        | FT/RT:20(0)/0(0)             |        |         |                   |       |        |                           |         | <b>Maximum Top Chord Forces Per Ply (lbs)</b> |               |             |      |               |      |      |
|                        |        | Loc. from endwall:   | not in 9.00 ft | Plate Type(s):               |        |         |                   |       |        |                           |         | Chords Tens.Comp.                             |               |             |      |               |      |      |
|                        |        | GCpi:                | 0.18           | WAVE                         |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        | Wind Duration:       | 1.60           |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |
|                        |        |                      |                |                              |        |         |                   |       |        |                           |         |                                               |               |             |      |               |      |      |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical exposed to wind pressure.  
Deflection meets L/180.

Wind loading based on both gable and hip roof types.



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#### Maximum Bot Chord Forces Per Ply (lbs)

| Chords | Tens. | Comp. | Chords | Tens. | Comp. |
|--------|-------|-------|--------|-------|-------|
| B G    | 763   | 434   | G F    | 755   | 438   |

#### Maximum Web Forces Per Ply (lbs)

| Webs | Tens. | Comp. |
|------|-------|-------|
| C F  | 407   | 797   |

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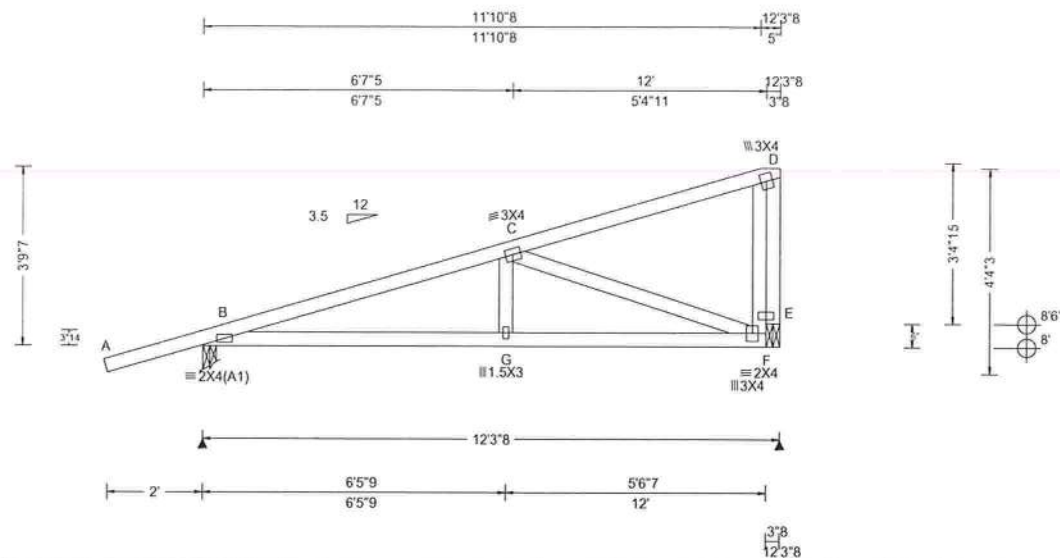
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|                          |                |                  |                                                     |                                                                                      |
|--------------------------|----------------|------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------|
| SEQN: 26208<br>FROM: CVB | EJAC<br>Qty: 1 | Ply: 1<br>Qty: 1 | Job Number: B56442a<br>Otero Res<br>Truss Label: C2 | Cust: R 857 JRef: 1XMT8570005 T35<br>DrwNo: 031.23.2011.16803<br>GA / WHK 01/31/2023 |
|--------------------------|----------------|------------------|-----------------------------------------------------|--------------------------------------------------------------------------------------|



| Loading Criteria (psf) |                     | Wind Criteria                     | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs)                     |               |             |               |      |      |      |
|------------------------|---------------------|-----------------------------------|------------------------------|---------------------------------|-----------------------------------------------|---------------|-------------|---------------|------|------|------|
| TCLL: 20.00            | TCCL: 7.00          | Wind Std: ASCE 7 16               | Pg: NA Ct: NA CAT: NA        | PP Deflection in loc L/defl L/# | Gravity                                       |               | Non Gravity |               |      |      |      |
| BCLL: 0.00             | BCDL: 10.00         | Speed: 130 mph                    | Pf: NA Ce: NA                | VERT(LL): 0.026 G 999 240       | Loc                                           | R+            | / R         | / Rh          | / Rw | / U  | / RL |
| Des Ld: 37.00          | NCBCLL: 10.00       | Enclosure: Closed                 | Lu: NA Cs: NA                | VERT(CL): 0.046 G 999 180       | B                                             | 579           | /           | /             | /347 | /132 | /166 |
| Soffit: 0.00           | Load Duration: 1.25 | Risk Category: II                 | Snow Duration: NA            | HORZ(LL): 0.007 F               | E                                             | 443           | /           | /             | /249 | /82  | /    |
| Spacing: 24.0 "        |                     | EXP: C Kzt: NA                    |                              | HORZ(TL): 0.013 F               | Wind reactions based on MWFRS                 |               |             |               |      |      |      |
|                        |                     | Mean Height: 15.00 ft             | Building Code:               | Creep Factor: 2.0               | B                                             | Brg Wid = 3.5 |             | Min Req = 1.5 |      |      |      |
|                        |                     | TCCL: 4.2 psf                     | FBC 7th Ed. 2020 Res.        | Max TC CSI: 0.236               | E                                             | Brg Wid = 3.5 |             | Min Req = 1.5 |      |      |      |
|                        |                     | BCDL: 6.0 psf                     | TPI Std: 2014                | Max BC CSI: 0.283               | Bearings B & E are a rigid surface.           |               |             |               |      |      |      |
|                        |                     | MWFRS Parallel Dist: h/2 to h     | Rep Fac: Yes                 | Max Web CSI: 0.488              | Members not listed have forces less than 375# |               |             |               |      |      |      |
|                        |                     | C&C Dist a: 3.00 ft               | FT/RT:20(0)/0(0)             |                                 | <b>Maximum Top Chord Forces Per Ply (lbs)</b> |               |             |               |      |      |      |
|                        |                     | Loc. from endwall: not in 9.00 ft | Plate Type(s):               |                                 | <b>Chords Tens.Comp.</b>                      |               |             |               |      |      |      |
|                        |                     | GCpi: 0.18                        | WAVE                         | VIEW Ver: 21.01.03A.0805.15     | B                                             | C             | 361         | 844           |      |      |      |
|                        |                     | Wind Duration: 1.60               |                              |                                 |                                               |               |             |               |      |      |      |

#### Lumber

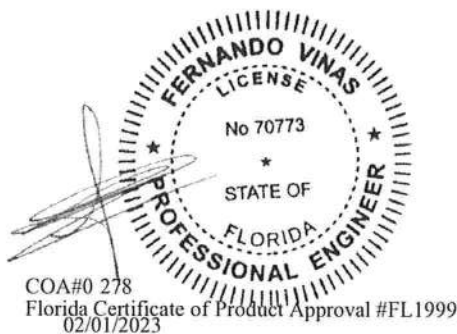
Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;  
Rt Bearing Leg: 2x4 SP #3;

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
Right end vertical exposed to wind pressure.  
Deflection meets L/180.  
Wind loading based on both gable and hip roof types.

#### Blocking

Blocking reinforcement required to prevent buckling of members over the bearings:  
Bearing 2 located at 12.0' (blocking >= 11965.20" if used)



#### Maximum Bot Chord Forces Per Ply (lbs)

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| B      | G          | 773    | 475         |
| G      | F          | 766    | 479         |

#### Maximum Web Forces Per Ply (lbs)

| Webs | Tens.Comp. | Webs | Tens. Comp. |
|------|------------|------|-------------|
| C    | F          | 422  | 779         |
| D    | E          | 792  | 774         |

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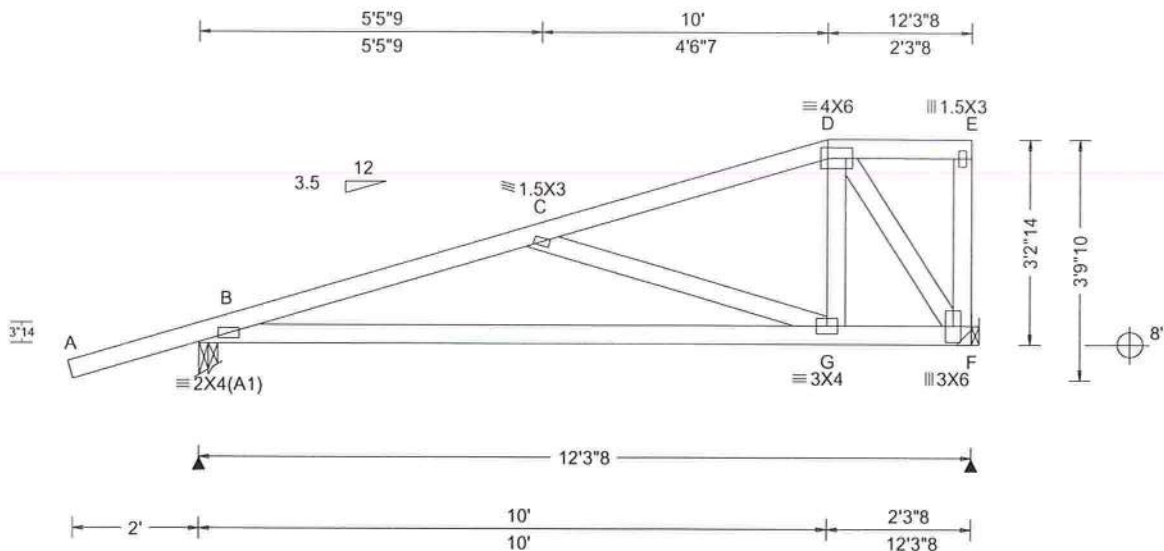
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|                          |                |                  |                                                     |                                                                                     |
|--------------------------|----------------|------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------|
| SEQN: 26216<br>FROM: CVB | HIPM<br>Qty: 1 | Ply: 1<br>Qty: 1 | Job Number: B56442a<br>Otero Res<br>Truss Label: C3 | Cust: R 857 JRef: 1XMT8570005 T5<br>DrwNo: 031.23.2011.14980<br>GA / WHK 01/31/2023 |
|--------------------------|----------------|------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------|



| Loading Criteria (psf) |  | Wind Criteria                     | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs)                     |               |             |               |        |      |             |     |
|------------------------|--|-----------------------------------|------------------------------|---------------------------------|-----------------------------------------------|---------------|-------------|---------------|--------|------|-------------|-----|
| TCLL: 20.00            |  | Wind Std: ASCE 7 16               | Pg: NA Ct: NA CAT: NA        | PP Deflection in loc L/defl L/# | Gravity                                       |               | Non Gravity |               |        |      |             |     |
| TCDL: 7.00             |  | Speed: 130 mph                    | Pf: NA Ce: NA                | VERT(LL): 0.023 C 999 240       | Loc                                           | R+            | /R          | /Rh           | /Rw    | /U   | /RL         |     |
| BCLL: 0.00             |  | Enclosure: Closed                 | Lu: NA Cs: NA                | VERT(CL): 0.056 B 999 180       | B                                             | 586           | /           | /             | /355   | /123 | /120        |     |
| BCDL: 10.00            |  | Risk Category: II                 | Snow Duration: NA            | HORZ(LL): 0.007 F               | F                                             | 442           | /           | /             | /238   | /98  | /           |     |
|                        |  | EXP: C Kzt: NA                    |                              | HORZ(TL): 0.018 B               | Wind reactions based on MWFRS                 |               |             |               |        |      |             |     |
| Des Ld: 37.00          |  | Mean Height: 15.00 ft             |                              | Creep Factor: 2.0               | B                                             | Brg Wid = 3.5 |             | Min Req = 1.5 |        |      |             |     |
| NCBCLL: 10.00          |  | TCDL: 4.2 psf                     | Building Code:               | Max TC CSI: 0.262               | F                                             | Brg Wid =     |             |               |        |      |             |     |
| Soffit: 0.00           |  | BCDL: 6.0 psf                     | FBC 7th Ed. 2020 Res.        | Max BC CSI: 0.515               | Bearing B is a rigid surface.                 |               |             |               |        |      |             |     |
| Load Duration: 1.25    |  | MWFRS Parallel Dist: h/2 to h     | TPI Std: 2014                | Max Web CSI: 0.259              | Members not listed have forces less than 375# |               |             |               |        |      |             |     |
| Spacing: 24.0 "        |  | C&C Dist a: 3.00 ft               | Rep Fac: Yes                 |                                 | <b>Maximum Top Chord Forces Per Ply (lbs)</b> |               |             |               |        |      |             |     |
|                        |  | Loc. from endwall: not in 9.00 ft | FT/RT:20(0)/0(0)             |                                 | Chords                                        |               | Tens.Comp.  |               | Chords |      | Tens. Comp. |     |
|                        |  | GCpi: 0.18                        | Plate Type(s):               |                                 | B                                             | C             | 457         | 868           | C      | D    | 128         | 379 |
|                        |  | Wind Duration: 1.60               | WAVE                         | VIEW Ver: 21.01.03A.0805.15     |                                               |               |             |               |        |      |             |     |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;

#### Hangers / Ties

(J) Hanger Support Required, by others

#### Purlins

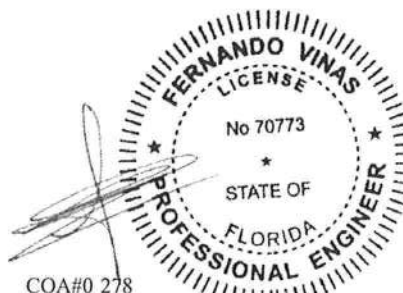
In lieu of structural panels use purlins to brace all flat  
TC @ 24" oc.

#### Wind

Wind loads based on MWFRS with additional C&C  
member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



COA#0 278

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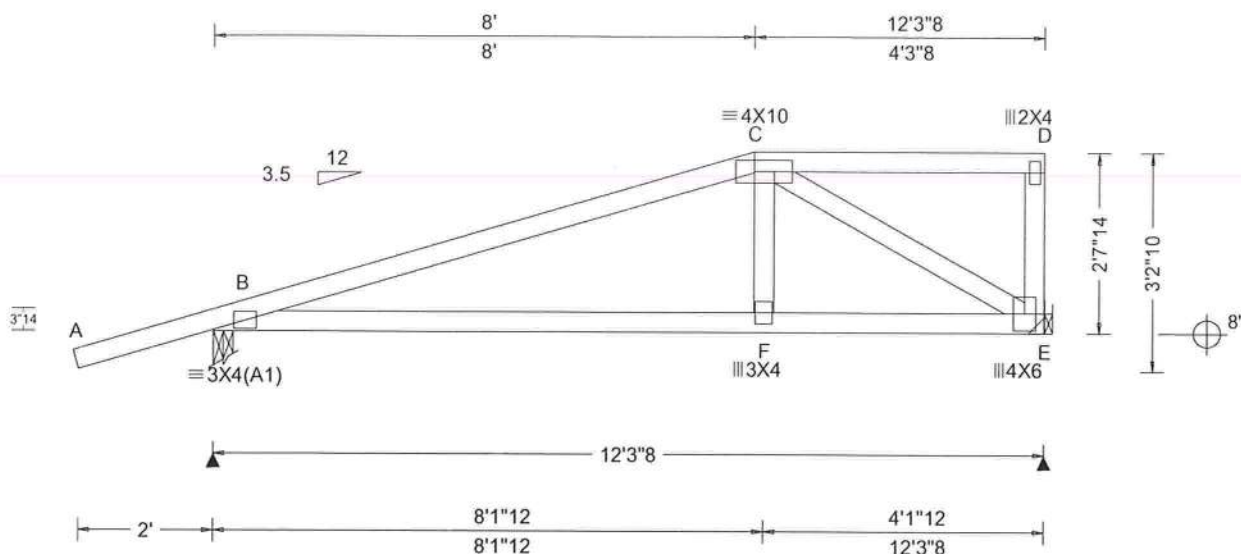
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|                          |                |                  |                                                      |                                                                                      |
|--------------------------|----------------|------------------|------------------------------------------------------|--------------------------------------------------------------------------------------|
| SEQN: 26195<br>FROM: CVB | HIPM<br>Qty: 1 | Ply: 1<br>Qty: 1 | Job Number: B56442a<br>Otero Res<br>Truss Label: CG1 | Cust: R 857 JRef: 1XMT8570005 T19<br>DrwNo: 031.23.2011.12537<br>GA / WHK 01/31/2023 |
|--------------------------|----------------|------------------|------------------------------------------------------|--------------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                             | Wind Criteria                                                                                                                                                                                                                                                                                  | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                                             | Defl/CSI Criteria                                                                                                                                                                                                                                           | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7 16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 4.2 psf<br>BCDL: 6.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 4.50 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Varies by Ld Case<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.043 F 999 240<br>VERT(CL): 0.079 F 999 180<br>HORZ(LL): 0.015 E<br>HORZ(TL): 0.028 E<br>Creep Factor: 2.0<br>Max TC CSI: 0.803<br>Max BC CSI: 0.620<br>Max Web CSI: 0.816<br><br>VIEW Ver: 21.01.03A.0805.15 | Gravity Non Gravity<br>Loc R+ / R / Rh / Rw / U / RL<br>B 922 / / / / /219 /73<br>E 1202 / / / / /218 /<br>Wind reactions based on MWFRS<br>B Brg Wid = 3.5 Min Req = 1.5<br>E Brg Wid =<br>Bearing B is a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp.<br>B C 351 1802 |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;

#### Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 55 plf at 2.08 to 55 plf at 8.00  
TC: From 27 plf at 8.00 to 27 plf at 10.06  
TC: From 55 plf at 10.06 to 55 plf at 12.29  
BC: From 20 plf at 0.00 to 20 plf at 8.03  
BC: From 10 plf at 8.03 to 10 plf at 10.06  
BC: From 20 plf at 10.06 to 20 plf at 12.29  
TC: 114 lb Conc. Load at 8.00  
TC: 186 lb Conc. Load at 8.03,10.06  
BC: 546 lb Conc. Load at 8.03  
BC: 141 lb Conc. Load at 10.06

#### Hangers / Ties

(J) Hanger Support Required, by others

#### Purlins

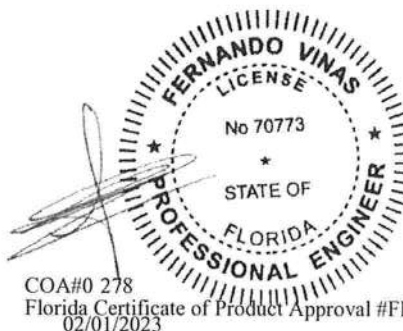
In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

#### Wind

Wind loads and reactions based on MWFRS.

Right end vertical exposed to wind pressure.  
Deflection meets L/180.

Wind loading based on both gable and hip roof types.



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#### Maximum Bot Chord Forces Per Ply (lbs)

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
| B F    | 1672 239   | F E    | 1724 237    |

#### Maximum Web Forces Per Ply (lbs)

| Webs | Tens.Comp. | Webs | Tens. Comp. |
|------|------------|------|-------------|
| C F  | 975 39     | C E  | 304 1947    |

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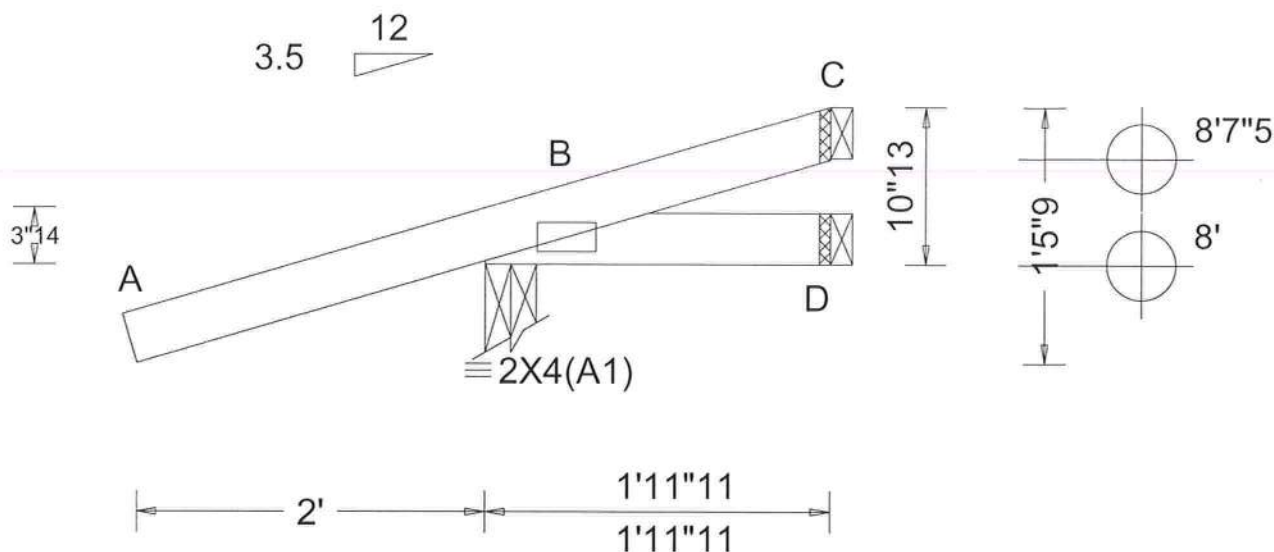
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|                          |                |        |                                                      |                                                                                      |
|--------------------------|----------------|--------|------------------------------------------------------|--------------------------------------------------------------------------------------|
| SEQN: 26175<br>FROM: CVB | JACK<br>Qty: 8 | Ply: 1 | Job Number: B56442a<br>Otero Res<br>Truss Label: CJ2 | Cust: R 857 JRef: 1XMT8570005 T33<br>DrwNo: 031.23.2010.49880<br>GA / WHK 01/31/2023 |
|--------------------------|----------------|--------|------------------------------------------------------|--------------------------------------------------------------------------------------|



| Loading Criteria (psf) | Wind Criteria                 | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs)                     |
|------------------------|-------------------------------|------------------------------|---------------------------------|-----------------------------------------------|
| TCLL: 20.00            | Wind Std: ASCE 7 16           | Pg: NA Ct: NA CAT: NA        | PP Deflection in loc L/defl L/# | GravityNon Gravity                            |
| TCDL: 7.00             | Speed: 130 mph                | Pf: NA Ce: NA                | VERT(LL): NA                    | Loc R+ / R / Rh / Rw / U / RL                 |
| BCLL: 0.00             | Enclosure: Closed             | Lu: NA Cs: NA                | VERT(CL): NA                    | B 262 / / /187 /131 /43                       |
| BCDL: 10.00            | Risk Category: II             | Snow Duration: NA            | HORZ(LL): 0.001 B               | D 23 /7 / /31 /13 /                           |
| Des Ld: 37.00          | EXP: C Kzt: NA                |                              | HORZ(TL): 0.001 B               | C 8 / / /27 /22 /                             |
| NCBCLL: 10.00          | Mean Height: 15.00 ft         | Building Code:               | Creep Factor: 2.0               | Wind reactions based on MWFRS                 |
| Soffit: 0.00           | TCDL: 4.2 psf                 | FBC 7th Ed. 2020 Res.        | Max TC CSI: 0.389               | B Brg Wid = 3.5 Min Req = 1.5                 |
| Load Duration: 1.25    | BCDL: 6.0 psf                 | TPI Std: 2014                | Max BC CSI: 0.082               | D Brg Wid = 1.5                               |
| Spacing: 24.0 "        | MWFRS Parallel Dist: 0 to h/2 | Rep Fac: Yes                 | Max Web CSI: 0.000              | C Brg Wid = 1.5                               |
|                        | C&C Dist a: 3.00 ft           | FT/RT:20(0)/0(0)             |                                 | Bearing B is a rigid surface.                 |
|                        | Loc. from endwall: Any        | Plate Type(s):               |                                 | Members not listed have forces less than 375# |
|                        | GCpi: 0.18                    |                              |                                 |                                               |
|                        | Wind Duration: 1.60           | WAVE                         | VIEW Ver: 21.01.03A.0805.15     |                                               |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.



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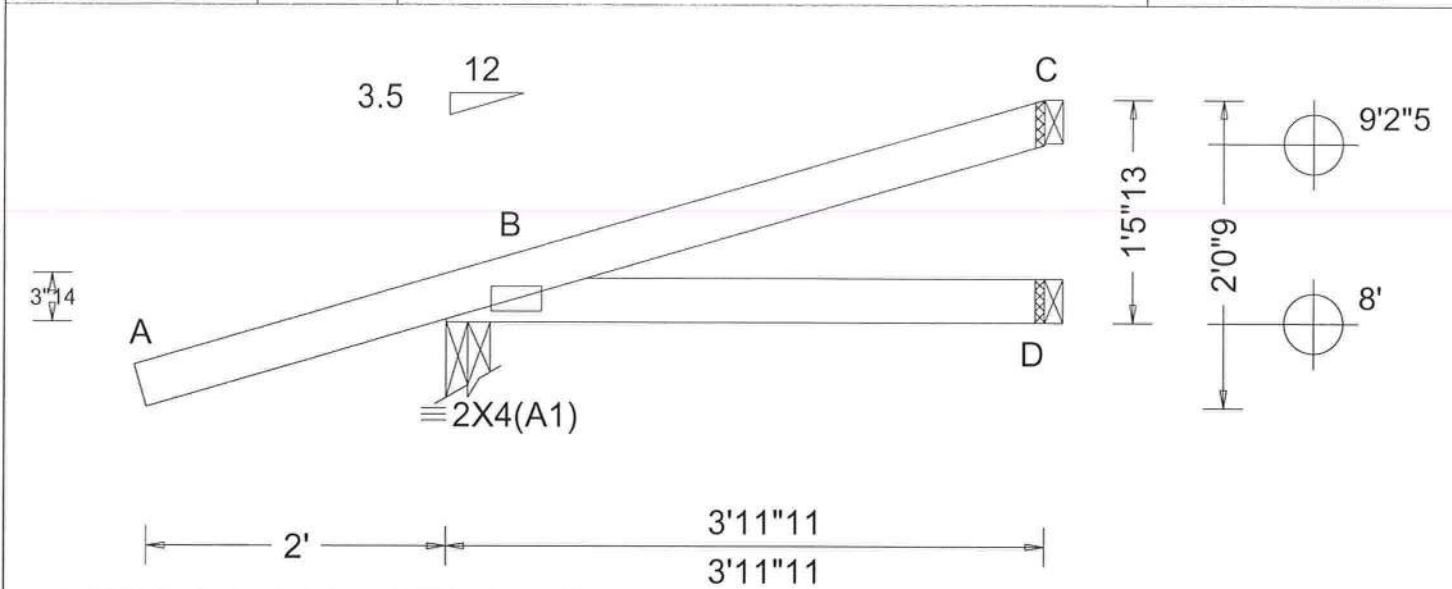
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|                          |                |        |                                                      |                                                                                      |
|--------------------------|----------------|--------|------------------------------------------------------|--------------------------------------------------------------------------------------|
| SEQN: 26177<br>FROM: CVB | JACK<br>Qty: 8 | Ply: 1 | Job Number: B56442a<br>Otero Res<br>Truss Label: CJ4 | Cust: R 857 JRef: 1XMT8570005 T30<br>DrwNo: 031.23.2010.46510<br>GA / WHK 01/31/2023 |
|--------------------------|----------------|--------|------------------------------------------------------|--------------------------------------------------------------------------------------|



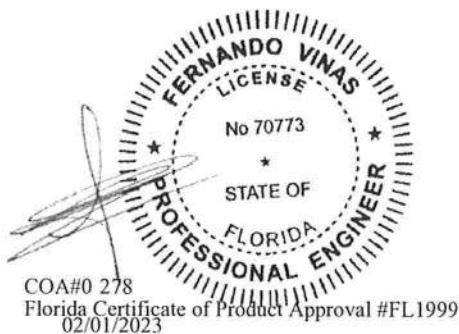
| Loading Criteria (psf)                                                                                                                             | Wind Criteria                                                                                                                                                                                                                                                                      | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                               | Defl/CSI Criteria                                                                                                                                                                                                                 | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCCL: 7.00<br>BCCL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7 16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCCL: 4.2 psf<br>BCDL: 6.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCp: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): NA<br>VERT(CL): NA<br>HORZ(LL): 0.002 B<br>HORZ(TL): 0.003 B<br>Creep Factor: 2.0<br>Max TC CSI: 0.389<br>Max BC CSI: 0.083<br>Max Web CSI: 0.000<br><br>VIEW Ver: 21.01.03A.0805.15 | Gravity Non Gravity<br>Loc R+ / R / Rh / Rw / U / RL<br>B 299 / / /199 /108 /58<br>D 64 / / /35 / /<br>C 76 / / /30 /37 /<br>Wind reactions based on MWFRS<br>B Brg Wid = 3.5 Min Req = 1.5<br>D Brg Wid = 1.5<br>C Brg Wid = 1.5<br>Bearing B is a rigid surface.<br>Members not listed have forces less than 375# |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;

#### Wind

Wind loads based on MWFRS with additional C&C member design.  
Wind loading based on both gable and hip roof types.



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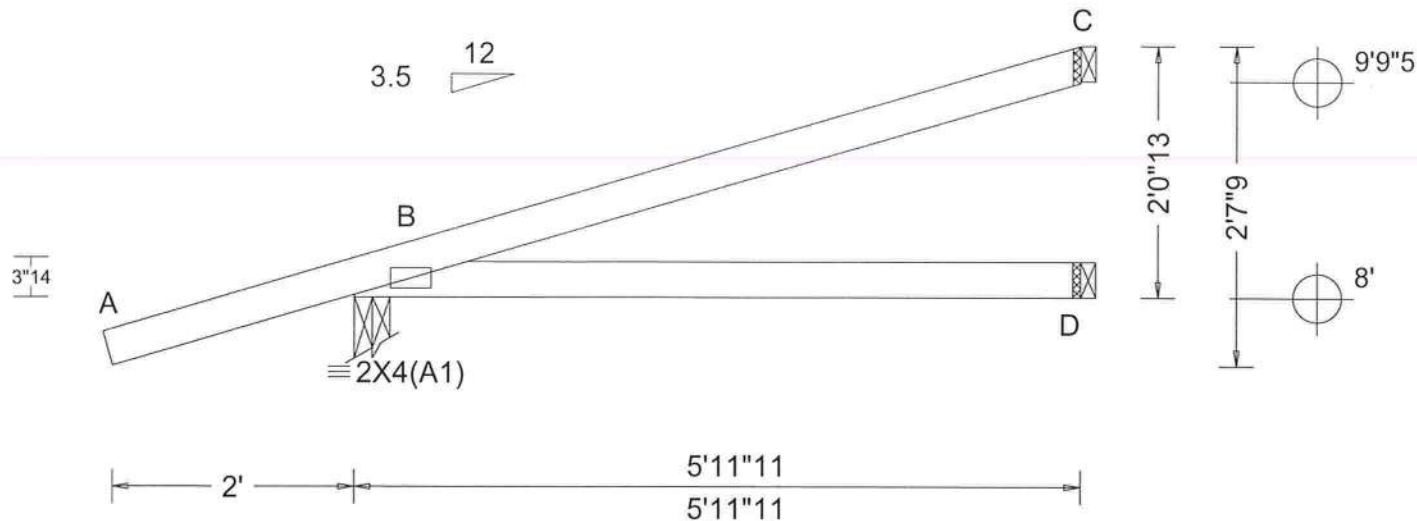
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|--------------------------|----------------|--------|------------------------------------------------------|--------------------------------------------------------------------------------------|
| SEQN: 26179<br>FROM: CVB | JACK<br>Qty: 8 | Ply: 1 | Job Number: B56442a<br>Otero Res<br>Truss Label: CJ6 | Cust: R 857 JRef: 1XMT8570005 T12<br>DrwNo: 031.23.2010.44460<br>GA / WHK 01/31/2023 |
|--------------------------|----------------|--------|------------------------------------------------------|--------------------------------------------------------------------------------------|



| Loading Criteria (psf) | Wind Criteria                     | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs)                     |                             |     |             |      |      |      |
|------------------------|-----------------------------------|------------------------------|---------------------------------|-----------------------------------------------|-----------------------------|-----|-------------|------|------|------|
|                        |                                   |                              |                                 | Gravity                                       |                             |     | Non Gravity |      |      |      |
| TCLL: 20.00            | Wind Std: ASCE 7 16               | Pg: NA Ct: NA CAT: NA        | PP Deflection in loc L/defl L/# | Loc                                           | R+                          | / R | / Rh        | / Rw | / U  | / RL |
| TCDL: 7.00             | Speed: 130 mph                    | Pf: NA Ce: NA                | VERT(LL): NA                    | B                                             | 362                         | /   | /           | /232 | /103 | /79  |
| BCLL: 0.00             | Enclosure: Closed                 | Lu: NA Cs: NA                | VERT(CL): NA                    | D                                             | 103                         | /   | /           | /55  | /    | /    |
| BCDL: 10.00            | Risk Category: II                 | Snow Duration: NA            | HORZ(LL): 0.007 B               | C                                             | 132                         | /   | /           | /58  | /64  | /    |
|                        | EXP: C Kzt: NA                    |                              | HORZ(TL): 0.011 B               | Wind reactions based on MWFRS                 |                             |     |             |      |      |      |
| Des Ld: 37.00          | Mean Height: 15.00 ft             | Building Code:               | Creep Factor: 2.0               | B                                             | Brg Wid = 3.5 Min Req = 1.5 |     |             |      |      |      |
| NCBCLL: 10.00          | TCDL: 4.2 psf                     | FBC 7th Ed. 2020 Res.        | Max TC CSI: 0.281               | D                                             | Brg Wid = 1.5               |     |             |      |      |      |
| Soffit: 0.00           | BCDL: 6.0 psf                     | TPI Std: 2014                | Max BC CSI: 0.232               | C                                             | Brg Wid = 1.5               |     |             |      |      |      |
| Load Duration: 1.25    | MWFRS Parallel Dist: 0 to h/2     | Rep Fac: Yes                 | Max Web CSI: 0.000              | Bearing B is a rigid surface.                 |                             |     |             |      |      |      |
| Spacing: 24.0 "        | C&C Dist a: 3.00 ft               | FT/RT:20(0)/0(0)             |                                 | Members not listed have forces less than 375# |                             |     |             |      |      |      |
|                        | Loc. from endwall: not in 4.50 ft | Plate Type(s):               |                                 |                                               |                             |     |             |      |      |      |
|                        | GCpi: 0.18                        | WAVE                         | VIEW Ver: 21.01.03A.0805.15     |                                               |                             |     |             |      |      |      |
|                        | Wind Duration: 1.60               |                              |                                 |                                               |                             |     |             |      |      |      |

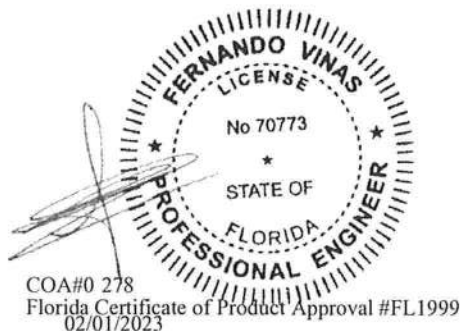
#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.



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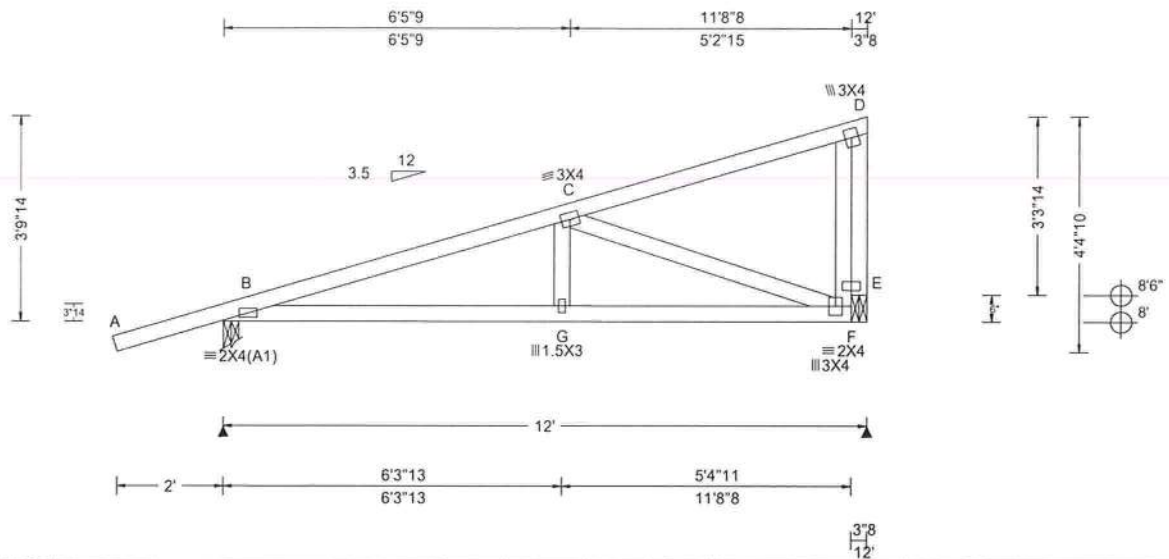
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|                          |                 |        |                                                     |                                                                                     |
|--------------------------|-----------------|--------|-----------------------------------------------------|-------------------------------------------------------------------------------------|
| SEQN: 26165<br>FROM: CVB | EJAC<br>Qty: 14 | Ply: 1 | Job Number: B56442a<br>Otero Res<br>Truss Label: D1 | Cust: R 857 JRef: 1XMT8570005 T9<br>DrwNo: 031.23.2010.42343<br>GA / WHK 01/31/2023 |
|--------------------------|-----------------|--------|-----------------------------------------------------|-------------------------------------------------------------------------------------|



| Loading Criteria (psf) |  | Wind Criteria                     |  | Snow Criteria (Pg,Pf in PSF) |        | Defl/CSI Criteria |                                 | ▲ Maximum Reactions (lbs) |     |                                               |                             |             |      |      |      |      |
|------------------------|--|-----------------------------------|--|------------------------------|--------|-------------------|---------------------------------|---------------------------|-----|-----------------------------------------------|-----------------------------|-------------|------|------|------|------|
| TCLL: 20.00            |  | Wind Std: ASCE 7 16               |  | Pg: NA                       | Ct: NA | CAT: NA           | PP Deflection in loc L/defl L/# | Gravity                   |     |                                               |                             | Non Gravity |      |      |      |      |
| TCDL: 7.00             |  | Speed: 130 mph                    |  | Pf: NA                       |        | Ce: NA            | VERT(LL): 0.025 G               | 999                       | 240 | Loc                                           | R+                          | / R         | / Rh | / Rw | / U  | / RL |
| BCLL: 0.00             |  | Enclosure: Closed                 |  | Lu: NA                       | Cs: NA |                   | VERT(CL): 0.044 G               | 999                       | 180 | B                                             | 568                         | /           | /    | /341 | /129 | /163 |
| BCDL: 10.00            |  | Risk Category: II                 |  | Snow Duration: NA            |        |                   | HORZ(LL): 0.007 F               |                           |     | E                                             | 432                         | /           | /    | /252 | /91  | /    |
|                        |  | EXP: C Kzt: NA                    |  |                              |        |                   | HORZ(TL): 0.012 F               |                           |     | Wind reactions based on MWFRS                 |                             |             |      |      |      |      |
| Des Ld: 37.00          |  | Mean Height: 15.00 ft             |  | Building Code:               |        |                   | Creep Factor: 2.0               |                           |     | B                                             | Brg Wid = 3.5 Min Req = 1.5 |             |      |      |      |      |
| NCBCLL: 10.00          |  | TCDL: 4.2 psf                     |  | FBC 7th Ed. 2020 Res.        |        |                   | Max TC CSI: 0.222               |                           |     | E                                             | Brg Wid = 3.5 Min Req = 1.5 |             |      |      |      |      |
| Soffit: 0.00           |  | BCDL: 6.0 psf                     |  | TPI Std: 2014                |        |                   | Max BC CSI: 0.269               |                           |     | Bearings B & E are a rigid surface.           |                             |             |      |      |      |      |
| Load Duration: 1.25    |  | MWFRS Parallel Dist: h/2 to h     |  | Rep Fac: Yes                 |        |                   | Max Web CSI: 0.449              |                           |     | Members not listed have forces less than 375# |                             |             |      |      |      |      |
| Spacing: 24.0 "        |  | C&C Dist a: 3.00 ft               |  | FT/RT:20(0)/0(0)             |        |                   |                                 |                           |     | Maximum Top Chord Forces Per Ply (lbs)        |                             |             |      |      |      |      |
|                        |  | Loc. from endwall: not in 9.00 ft |  | Plate Type(s):               |        |                   |                                 |                           |     | Chords                                        | Tens.Comp.                  |             |      |      |      |      |
|                        |  | GCpi: 0.18                        |  | WAVE                         |        |                   | VIEW Ver: 21.01.03A.0805.15     |                           |     | B                                             | C                           | 341         | 818  |      |      |      |
|                        |  | Wind Duration: 1.60               |  |                              |        |                   |                                 |                           |     |                                               |                             |             |      |      |      |      |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;  
Rt Bearing Leg: 2x4 SP #3;

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical exposed to wind pressure.  
Deflection meets L/180.

Wind loading based on both gable and hip roof types.

#### Maximum Bot Chord Forces Per Ply (lbs)

| Chords |   | Tens.Comp. |     | Chords |   | Tens. Comp. |     |
|--------|---|------------|-----|--------|---|-------------|-----|
| B      | G | 749        | 459 | G      | F | 742         | 463 |

#### Maximum Web Forces Per Ply (lbs)

| Webs |   | Tens.Comp. |     | Webs |   | Tens. Comp. |     |
|------|---|------------|-----|------|---|-------------|-----|
| C    | F | 407        | 754 | D    | E | 775         | 747 |



COA#0 278  
Florida Certificate of Product Approval #FL1999  
02/01/2023

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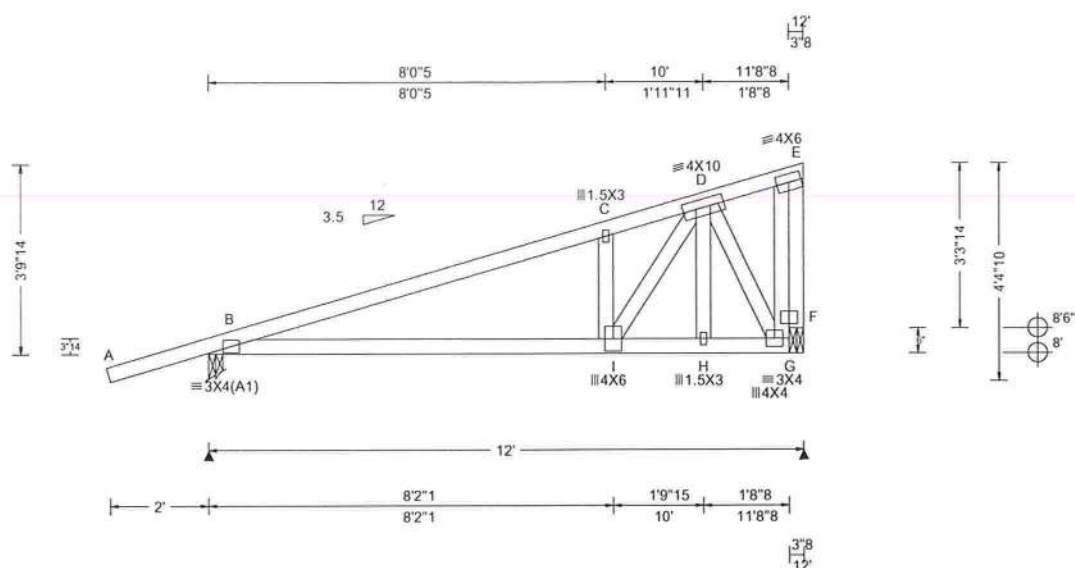
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|                          |                |                  |                                                      |                                                                                     |
|--------------------------|----------------|------------------|------------------------------------------------------|-------------------------------------------------------------------------------------|
| SEQN: 26218<br>FROM: CVB | EJAC<br>Qty: 1 | Ply: 1<br>Qty: 1 | Job Number: B56442a<br>Otero Res<br>Truss Label: DG1 | Cust: R 857 JRef: 1XMTB570005 T2<br>DrwNo: 031.23.2010.35857<br>GA / WHK 01/31/2023 |
|--------------------------|----------------|------------------|------------------------------------------------------|-------------------------------------------------------------------------------------|



| Loading Criteria (psf) | Wind Criteria                     | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs)                     |               |               |             |             |      |          |
|------------------------|-----------------------------------|------------------------------|---------------------------------|-----------------------------------------------|---------------|---------------|-------------|-------------|------|----------|
| TCLL: 20.00            | Wind Std: ASCE 7 16               | Pg: NA Ct: NA CAT: NA        | PP Deflection in loc L/defl L/# | Gravity                                       |               |               | Non Gravity |             |      |          |
| TCDL: 7.00             | Speed: 130 mph                    | Pf: NA Ce: NA                | VERT(LL): 0.047 C 999 240       | Loc                                           | R+            | / R           | / Rh        | / Rw        | / U  | / RL     |
| BCLL: 0.00             | Enclosure: Closed                 | Lu: NA Cs: NA                | VERT(CL): 0.087 C 999 180       | B                                             | 994           | /             | /           | /           | /242 | /107     |
| BCDL: 10.00            | Risk Category: II                 | Snow Duration: NA            | HORZ(LL): 0.016 E               | F                                             | 1950          | /             | /           | /           | /359 | /        |
| Des Ld: 37.00          | EXP: C Kzt: NA                    |                              | HORZ(TL): 0.028 E               | Wind reactions based on MWFRS                 |               |               |             |             |      |          |
| NCBCLL: 10.00          | Mean Height: 15.00 ft             | Building Code:               | Creep Factor: 2.0               | B                                             | Brg Wid = 3.5 | Min Req = 1.5 |             |             |      |          |
| Soffit: 0.00           | TCDL: 4.2 psf                     | FBC 7th Ed. 2020 Res.        | Max TC CSI: 0.601               | F                                             | Brg Wid = 3.5 | Min Req = 1.5 |             |             |      |          |
| Load Duration: 1.25    | BCDL: 6.0 psf                     | TPI Std: 2014                | Max BC CSI: 0.362               | Bearings B & F are a rigid surface.           |               |               |             |             |      |          |
| Spacing: 24.0 "        | MWFRS Parallel Dist: 0 to h/2     | Rep Fac: Varies by Ld Case   | Max Web CSI: 0.780              | Members not listed have forces less than 375# |               |               |             |             |      |          |
|                        | C&C Dist a: 3.00 ft               | FT/RT:20(0)/0(0)             |                                 | Maximum Top Chord Forces Per Ply (lbs)        |               |               |             |             |      |          |
|                        | Loc. from endwall: not in 9.00 ft | Plate Type(s):               |                                 | Chords                                        | Tens.Comp.    |               | Chords      | Tens. Comp. |      |          |
|                        | GCpi: 0.18                        | WAVE                         | VIEW Ver: 21.01.03A.0805.15     | B                                             | C             | 460           | 2100        | C           | D    | 438 2062 |
|                        | Wind Duration: 1.60               |                              |                                 |                                               |               |               |             |             |      |          |

#### Lumber

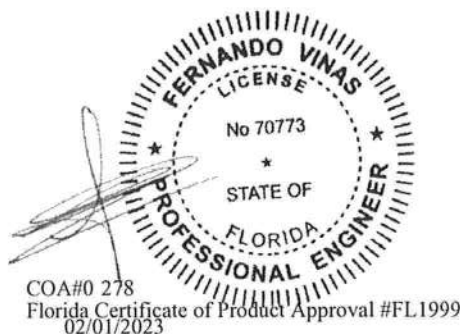
Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP SS Dense;  
Webs: 2x4 SP #3;  
Rt Bearing Leg: 2x4 SP #3;

#### Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 55 plf at 2.08 to 55 plf at 8.06  
TC: From 27 plf at 8.06 to 27 plf at 12.00  
BC: From 20 plf at 0.00 to 20 plf at 8.06  
BC: From 10 plf at 8.06 to 10 plf at 11.71  
TC: 443 lb Conc. Load at 11.94  
BC: 1202 lb Conc. Load at 8.06  
BC: 442 lb Conc. Load at 10.06

#### Wind

Wind loads and reactions based on MWFRS.  
Right end vertical exposed to wind pressure.  
Deflection meets L/180.  
Wind loading based on both gable and hip roof types.



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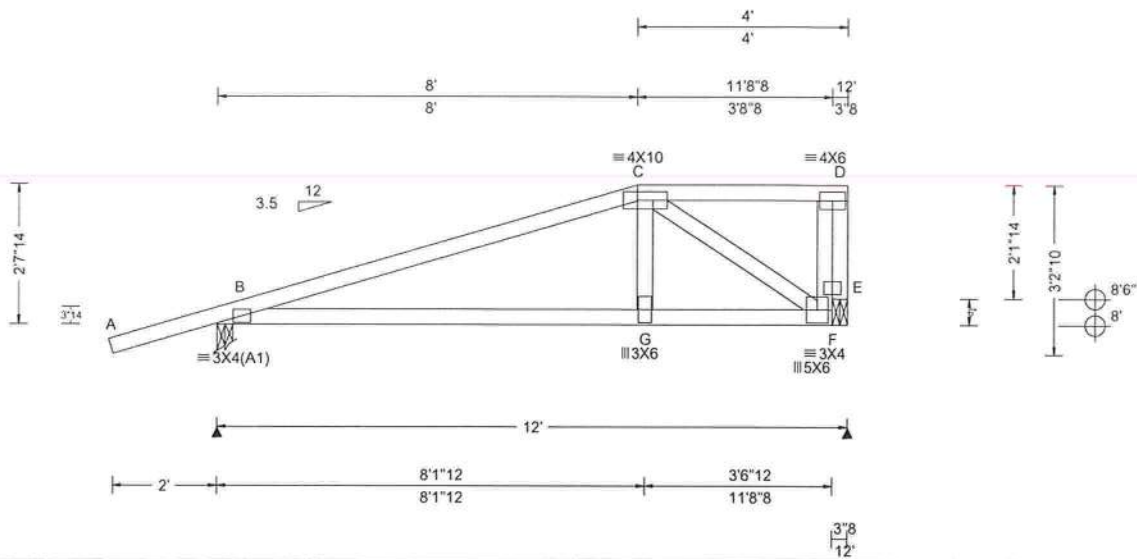
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|                          |      |                  |                                                      |                                                                                      |
|--------------------------|------|------------------|------------------------------------------------------|--------------------------------------------------------------------------------------|
| SEQN: 26185<br>FROM: CVB | EJAC | Ply: 1<br>Qty: 1 | Job Number: B56442a<br>Otero Res<br>Truss Label: DG2 | Cust: R 857 JRef: 1XMT8570005 T10<br>DrwNo: 031.23.2010.19237<br>GA / WHK 01/31/2023 |
|--------------------------|------|------------------|------------------------------------------------------|--------------------------------------------------------------------------------------|



| Loading Criteria (psf) |                                   | Wind Criteria         |                            | Snow Criteria (Pg, Pf in PSF) |                                 | Defl/CSI Criteria           |                                               | ▲ Maximum Reactions (lbs)     |             |
|------------------------|-----------------------------------|-----------------------|----------------------------|-------------------------------|---------------------------------|-----------------------------|-----------------------------------------------|-------------------------------|-------------|
| TCLL: 20.00            | Wind Std: ASCE 7 16               | Speed: 130 mph        | Pg: NA Ct: NA CAT: NA      | Pf: NA Ce: NA                 | PP Deflection in loc L/defl L/# | VERT(LL): 0.051 G 999 240   | Loc R+ / R / Rh / Rw / U / RL                 | Gravity                       | Non Gravity |
| BCLL: 0.00             | Enclosure: Closed                 | Risk Category: II     | Lu: NA Cs: NA              | Snow Duration: NA             | VERT(CL): 0.093 G 999 180       | HORZ(LL): 0.017 F           | B 982 / / / /210 /73                          | E 1596 / / / /265 /           |             |
| BCDL: 10.00            | EXP: C Kzt: NA                    | Mean Height: 15.00 ft | Building Code:             |                               | HORZ(TL): 0.031 F               | Creep Factor: 2.0           | Wind reactions based on MWFRS                 |                               |             |
| Des Ld: 37.00          | TCDL: 4.2 psf                     | BCDL: 6.0 psf         | FBC 7th Ed. 2020 Res.      |                               | Max TC CSI: 0.662               | Max BC CSI: 0.752           | B Brg Wid = 3.5 Min Req = 1.5                 | E Brg Wid = 3.5 Min Req = 1.5 |             |
| NCBCLL: 10.00          | MWFRS Parallel Dist: 0 to h/2     | C&C Dist a: 3.00 ft   | TPI Std: 2014              |                               | Max Web CSI: 0.800              |                             | Bearings B & E are a rigid surface.           |                               |             |
| Soffit: 0.00           | Loc. from endwall: not in 9.00 ft | GCpi: 0.18            | Rep Fac: Varies by Ld Case |                               |                                 |                             | Members not listed have forces less than 375# |                               |             |
| Load Duration: 1.25    | Wind Duration: 1.60               |                       | FT/RT: 20(0)/0(0)          |                               |                                 |                             | Maximum Top Chord Forces Per Ply (lbs)        |                               |             |
| Spacing: 24.0 "        |                                   |                       | Plate Type(s):             |                               |                                 |                             | Chords Tens.Comp.                             |                               |             |
|                        |                                   |                       | WAVE                       |                               |                                 | VIEW Ver: 21.01.03A.0805.15 | B C                                           | 351                           | 2056        |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;  
Rt Bearing Leg: 2x4 SP #3;

#### Special Loads

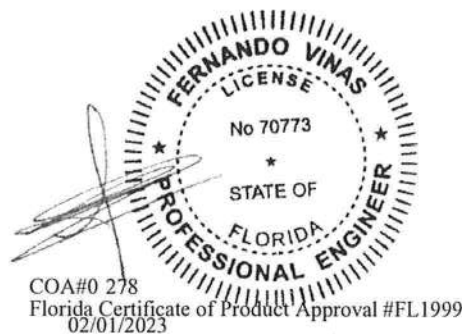
(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 55 plf at 2.08 to 55 plf at 8.00  
TC: From 27 plf at 8.00 to 27 plf at 12.00  
BC: From 20 plf at 0.00 to 20 plf at 8.03  
BC: From 10 plf at 8.03 to 10 plf at 11.71  
BC: 1171 lb Conc. Load at 8.03  
BC: 276 lb Conc. Load at 9.60, 11.60

#### Purlins

In lieu of structural panels use purlins to brace all flat TC @ 24" oc.

#### Wind

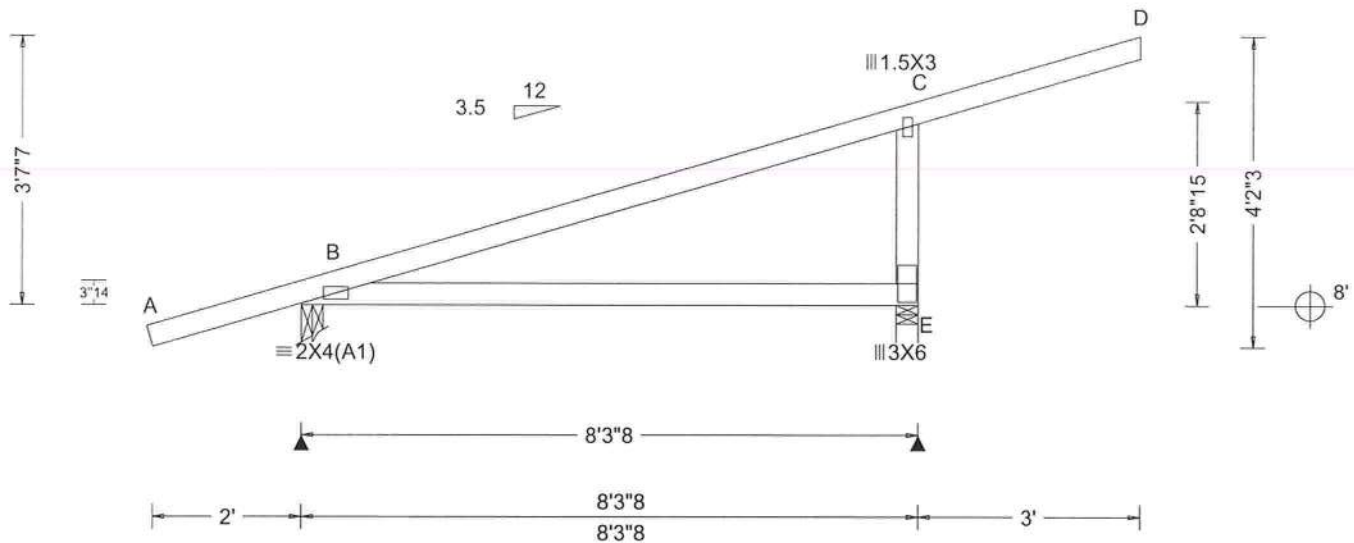
Wind loads and reactions based on MWFRS.  
Right end vertical exposed to wind pressure.  
Deflection meets L/180.  
Wind loading based on both gable and hip roof types.



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|                          |                 |        |                                                     |                                                                                      |
|--------------------------|-----------------|--------|-----------------------------------------------------|--------------------------------------------------------------------------------------|
| SEQN: 26173<br>FROM: CVB | MONO<br>Qty: 16 | Ply: 1 | Job Number: B56442a<br>Otero Res<br>Truss Label: E1 | Cust: R 857 JRef: 1XMT8570005 T32<br>DrwNo: 031.23.2010.03210<br>GA / WHK 01/31/2023 |
|--------------------------|-----------------|--------|-----------------------------------------------------|--------------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                             | Wind Criteria                                                                                                                                                                                                                                                                                  | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                               | Defl/CSI Criteria                                                                                                                                                                                                                 | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                             |    |     |      |              |             |           |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-----|------|--------------|-------------|-----------|
|                                                                                                                                                    |                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                             |                                                                                                                                                                                                                                   | Loc                                                                                                                                                                                                                                                   | R+ | / R | / Rh | / Rw         | / U         | / RL      |
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7 16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 4.2 psf<br>BCDL: 6.0 psf<br>MWFRS Parallel Dist: h/2 to h<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT: 20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): NA<br>VERT(CL): NA<br>HORZ(LL): 0.016 B<br>HORZ(TL): 0.027 B<br>Creep Factor: 2.0<br>Max TC CSI: 0.508<br>Max BC CSI: 0.432<br>Max Web CSI: 0.246<br><br>VIEW Ver: 21.01.03A.0805.15 | B 412<br>E 482                                                                                                                                                                                                                                        | /  | /   | /    | /258<br>/251 | /91<br>/162 | /133<br>/ |
|                                                                                                                                                    |                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                             |                                                                                                                                                                                                                                   | Wind reactions based on MWFRS<br>B Brg Wid = 3.5 Min Req = 1.5<br>E Brg Wid = 3.5 Min Req = 1.5<br>Bearings B & E are a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Web Forces Per Ply (lbs)</b><br>Webs Tens.Comp. |    |     |      |              |             |           |
|                                                                                                                                                    |                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                             |                                                                                                                                                                                                                                   | C                                                                                                                                                                                                                                                     | E  | 584 | 391  |              |             |           |

#### Lumber

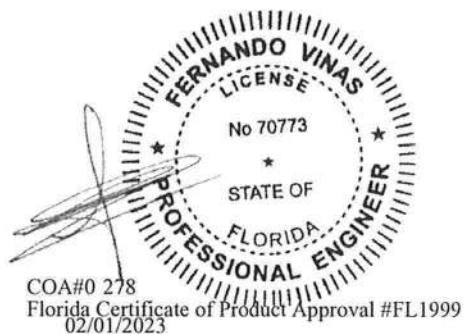
Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical exposed to wind pressure.  
Deflection meets L/180.

Wind loading based on both gable and hip roof types.



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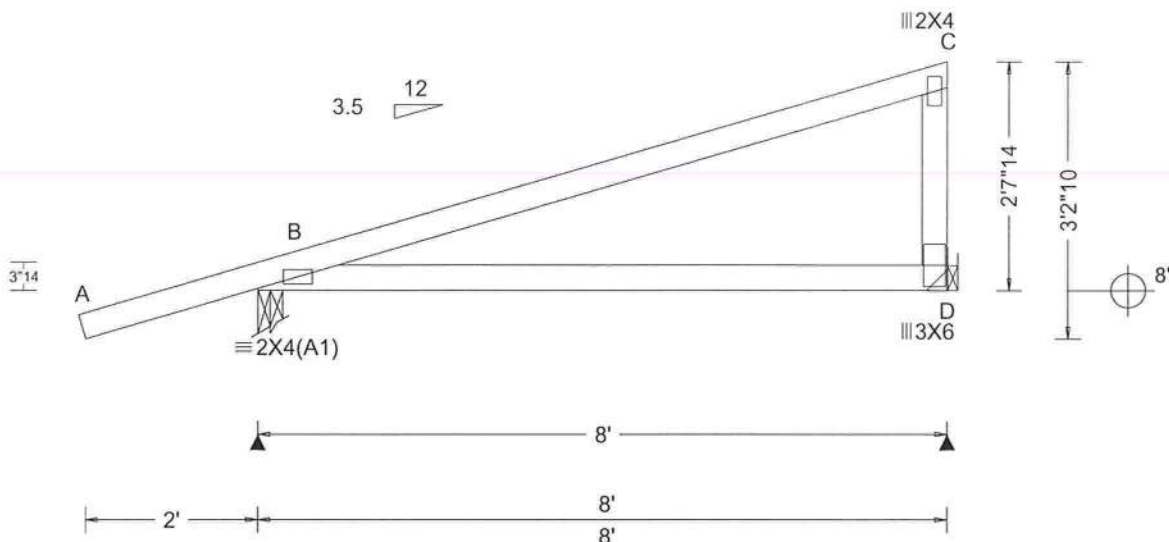
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|             |      |        |                     |                                   |
|-------------|------|--------|---------------------|-----------------------------------|
| SEQN: 26183 | MONO | Ply: 1 | Job Number: B56442a | Cust: R 857 JRef: 1XMT8570005 T28 |
| FROM: CVB   |      | Qty: 3 | Otero Res           | DrwNo: 031.23.2010.01090          |
|             |      |        | Truss Label: E2     | GA / WHK 01/31/2023               |



| Loading Criteria (psf) |  | Wind Criteria                     |  | Snow Criteria (Pg,Pf in PSF) |  | Defll/CSI Criteria              |  | ▲ Maximum Reactions (lbs)                     |     |     |      |      |      |      |
|------------------------|--|-----------------------------------|--|------------------------------|--|---------------------------------|--|-----------------------------------------------|-----|-----|------|------|------|------|
| TCLL: 20.00            |  | Wind Std: ASCE 7 16               |  | Pg: NA Ct: NA CAT: NA        |  | PP Deflection in loc L/defl L/# |  | Gravity Non Gravity                           |     |     |      |      |      |      |
| TCDL: 7.00             |  | Speed: 130 mph                    |  | Pf: NA Ce: NA                |  | VERT(LL): NA                    |  | Loc                                           | R+  | / R | / Rh | / Rw | / U  | / RL |
| BCLL: 0.00             |  | Enclosure: Closed                 |  | Lu: NA Cs: NA                |  | VERT(CL): NA                    |  | B                                             | 432 | /   | /    | /270 | /102 | /100 |
| BCDL: 10.00            |  | Risk Category: II                 |  | Snow Duration: NA            |  | HORZ(LL): 0.017 B               |  | D                                             | 276 | /   | /    | /158 | /63  | /    |
| Des Ld: 37.00          |  | EXP: C Kzt: NA                    |  | Building Code:               |  | HORZ(TL): 0.030 B               |  | Wind reactions based on MWFRS                 |     |     |      |      |      |      |
| NCBCLL: 10.00          |  | Mean Height: 15.00 ft             |  | FBC 7th Ed. 2020 Res.        |  | Creep Factor: 2.0               |  | B Brg Wid = 3.5 Min Req = 1.5                 |     |     |      |      |      |      |
| Soffit: 0.00           |  | TCDL: 4.2 psf                     |  | TPI Std: 2014                |  | Max TC CSI: 0.533               |  | D Brg Wid =                                   |     |     |      |      |      |      |
| Load Duration: 1.25    |  | BCDL: 6.0 psf                     |  | Rep Fac: Yes                 |  | Max BC CSI: 0.413               |  | Bearing B is a rigid surface.                 |     |     |      |      |      |      |
| Spacing: 24.0 "        |  | MWFRS Parallel Dist: h/2 to h     |  | FT/RT:20(0)/0(0)             |  | Max Web CSI: 0.297              |  | Members not listed have forces less than 375# |     |     |      |      |      |      |
|                        |  | Loc. from endwall: not in 4.50 ft |  | Plate Type(s):               |  | VIEW Ver: 21.01.03A.0805.15     |  |                                               |     |     |      |      |      |      |
|                        |  | GCpi: 0.18                        |  | WAVE                         |  |                                 |  |                                               |     |     |      |      |      |      |
|                        |  | Wind Duration: 1.60               |  |                              |  |                                 |  |                                               |     |     |      |      |      |      |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;

#### Hangers / Ties

(J) Hanger Support Required, by others

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical not exposed to wind pressure.

Wind loading based on both gable and hip roof types.



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02/01/2023

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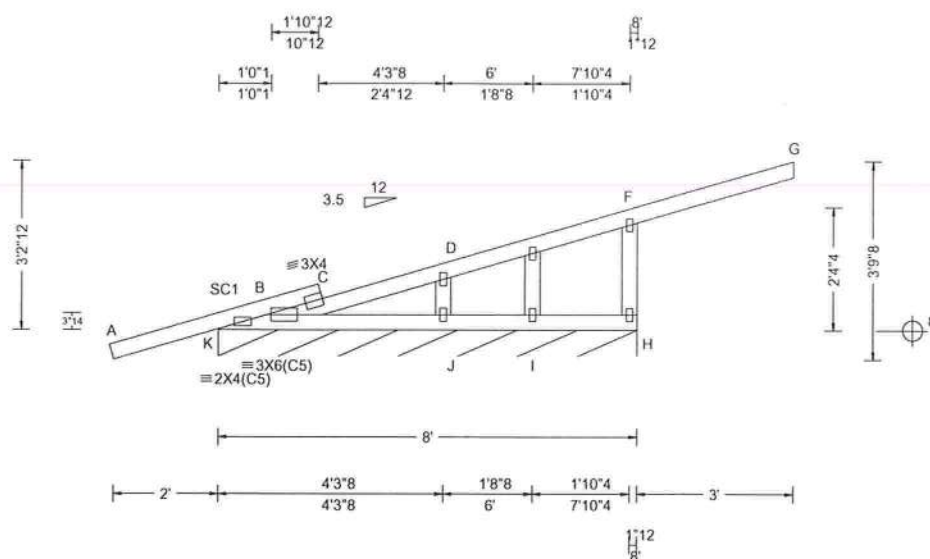
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|                          |                |                  |                                                       |                                                                                    |
|--------------------------|----------------|------------------|-------------------------------------------------------|------------------------------------------------------------------------------------|
| SEQN: 26220<br>FROM: CVB | GABL<br>Qty: 1 | Ply: 1<br>Qty: 1 | Job Number: B56442a<br>Otero Res<br>Truss Label: EGE1 | Cust: R 857 JRef: 1XMT8570005 T1<br>DrwNo: 031.23.2009.58953<br>GA / FV 01/31/2023 |
|--------------------------|----------------|------------------|-------------------------------------------------------|------------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                            | Wind Criteria                                                                                                                                                                                                                                                                       | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                                              | Defl/CSI Criteria                                                                                                                                                                                                                                           | ▲ Maximum Reactions (lbs), or *PLF                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.25<br>Spacing: 24.0" | Wind Std: ASCE 7 16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 4.2 psf<br>BCDL: 6.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Varies by Ld Case<br>FT/RT: 20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.010 C 999 240<br>VERT(CL): 0.011 C 999 180<br>HORZ(LL): 0.002 E<br>HORZ(TL): 0.003 E<br>Creep Factor: 2.0<br>Max TC CSI: 0.734<br>Max BC CSI: 0.105<br>Max Web CSI: 0.079<br><br>VIEW Ver: 21.01.03A.0805.15 | Gravity Non Gravity<br>Loc R+ / R / Rh / Rw / U / RL<br>K* 143 / / /65 /16 /12<br>I / 132<br>Wind reactions based on MWFRS<br>K Brg Wid = 96.0 Min Req =<br>Bearing K is a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp.<br>B C 373 392 |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;

#### Plating Notes

All plates are 1.5X3 except as noted.

#### Loading

Truss designed to support 140 top chord outlookers and cladding load not to exceed 6.00 PSF one face and 24.0" span opposite face. Top chord must not be cut or notched, unless specified otherwise.

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Right end vertical exposed to wind pressure.  
Deflection meets L/180.

Wind loading based on both gable and hip roof types.

#### Additional Notes

See DWGS A14015ENC160118 & GBLLETIN0118 for gable wind bracing and other requirements.

Stacked top chord must NOT be notched or cut in area (NNL). Dropped top chord braced at 24" oc intervals. Attach stacked top chord (SC) to dropped top chord in notched area using 3x4 tie plates 24" oc. Center plate on stacked/dropped chord interface, plate length perpendicular to chord length. Splice top chord in notched area using 3x6.



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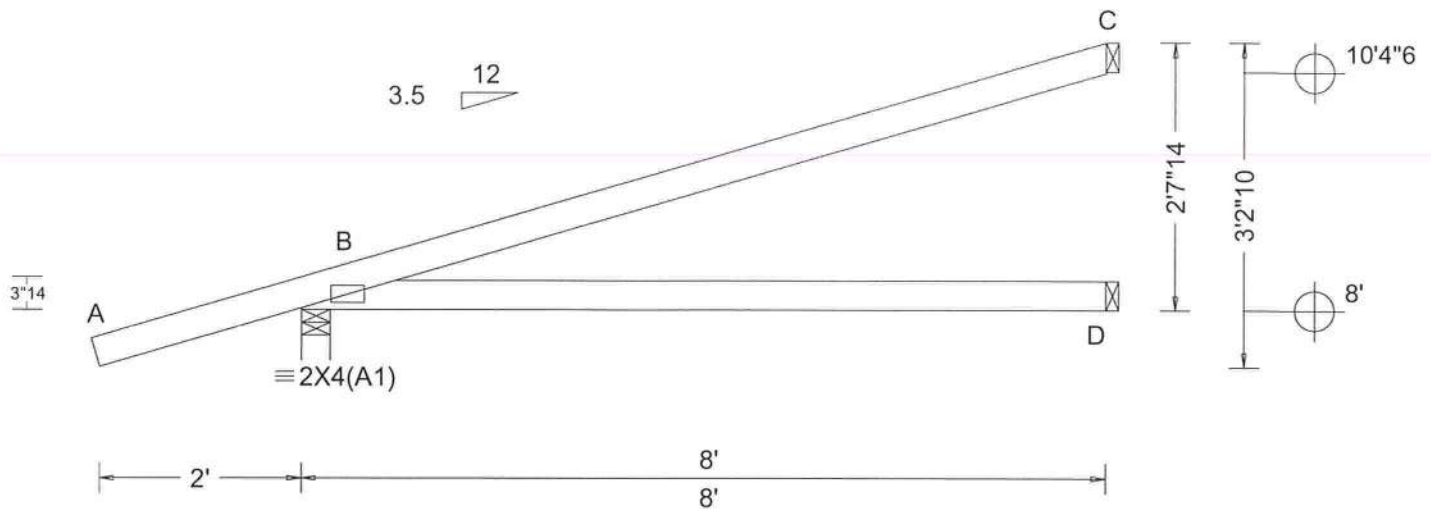
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|--------------------------|----------------|--------|------------------------------------------------------|-------------------------------------------------------------------------------------|
| SEQN: 26199<br>FROM: CVB | EJAC<br>Qty: 5 | Ply: 1 | Job Number: B56442a<br>Otero Res<br>Truss Label: EJ8 | Cust: R 857 JRef: 1XMT8570005 T14<br>DrwNo: 031.23.2009.44950<br>GA / FV 01/31/2023 |
|--------------------------|----------------|--------|------------------------------------------------------|-------------------------------------------------------------------------------------|



| Loading Criteria (psf) |  | Wind Criteria                     |  | Snow Criteria (Pg,Pf in PSF) |        |         | Defl/CSI Criteria  |                             | ▲ Maximum Reactions (lbs)                     |                             |             |      |      |      |      |
|------------------------|--|-----------------------------------|--|------------------------------|--------|---------|--------------------|-----------------------------|-----------------------------------------------|-----------------------------|-------------|------|------|------|------|
| TCLL: 20.00            |  | Wind Std: ASCE 7 16               |  | Pg: NA                       | Ct: NA | CAT: NA | PP Deflection in   | loc L/defl                  | Gravity                                       |                             | Non Gravity |      |      |      |      |
| TCDL: 7.00             |  | Speed: 130 mph                    |  | Pf: NA                       |        | Ce: NA  |                    |                             | Loc                                           | R+                          | / R         | / Rh | / Rw | / U  | / RL |
| BCLL: 0.00             |  | Enclosure: Closed                 |  | Lu: NA                       | Cs: NA |         | VERT(LL): NA       |                             | B                                             | 432                         | /           | /    | /270 | /102 | /100 |
| BCDL: 10.00            |  | Risk Category: II                 |  | Snow Duration: NA            |        |         | VERT(CL): NA       |                             | D                                             | 141                         | /           | /    | /75  | /    | /    |
|                        |  | EXP: C Kzt: NA                    |  |                              |        |         | HORZ(LL): 0.019 B  |                             | C                                             | 186                         | /           | /    | /83  | /90  | /    |
| Des Ld: 37.00          |  | Mean Height: 15.00 ft             |  |                              |        |         | HORZ(TL): 0.034 B  |                             | Wind reactions based on MWFRS                 |                             |             |      |      |      |      |
| NCBCLL: 10.00          |  | TCDL: 4.2 psf                     |  | Building Code:               |        |         | Creep Factor: 2.0  |                             | B                                             | Brg Wid = 3.5 Min Req = 1.5 |             |      |      |      |      |
| Soffit: 0.00           |  | BCDL: 6.0 psf                     |  | FBC 7th Ed. 2020 Res.        |        |         | Max TC CSI: 0.590  |                             | D                                             | Brg Wid = 1.5               |             |      |      |      |      |
| Load Duration: 1.25    |  | MWFRS Parallel Dist: h/2 to h     |  | TPI Std: 2014                |        |         | Max BC CSI: 0.453  |                             | C                                             | Brg Wid = 1.5               |             |      |      |      |      |
| Spacing: 24.0 "        |  | C&C Dist a: 3.00 ft               |  | Rep Fac: Yes                 |        |         | Max Web CSI: 0.000 |                             | Bearing B is a rigid surface.                 |                             |             |      |      |      |      |
|                        |  | Loc. from endwall: not in 9.00 ft |  | FT/RT:20(0)/0(0)             |        |         |                    |                             | Members not listed have forces less than 375# |                             |             |      |      |      |      |
|                        |  | GCpi: 0.18                        |  | Plate Type(s):               |        |         |                    |                             |                                               |                             |             |      |      |      |      |
|                        |  | Wind Duration: 1.60               |  | WAVE                         |        |         |                    |                             |                                               |                             |             |      |      |      |      |
|                        |  |                                   |  |                              |        |         |                    | VIEW Ver: 21.01.03A.0805.15 |                                               |                             |             |      |      |      |      |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.



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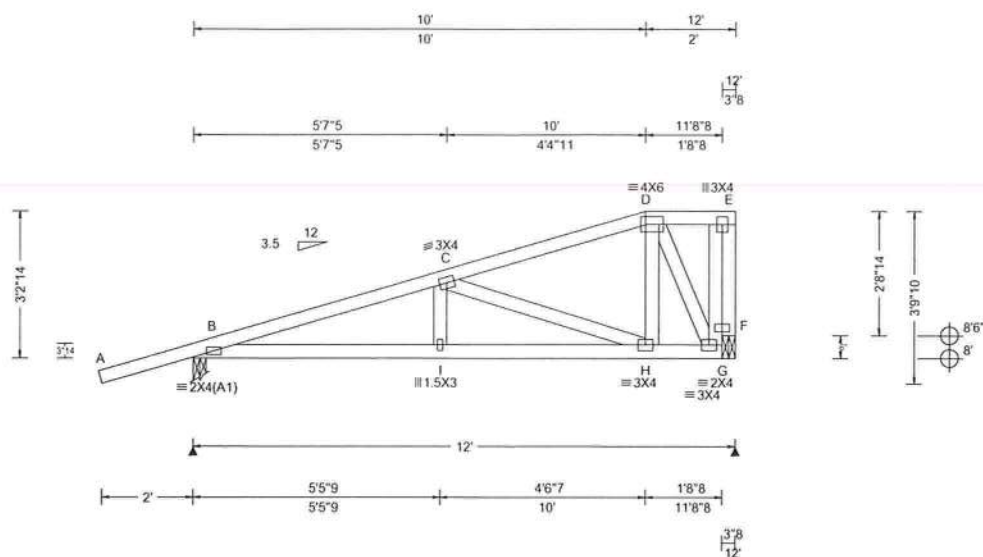
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|                          |      |                  |                                                       |                                                                                    |
|--------------------------|------|------------------|-------------------------------------------------------|------------------------------------------------------------------------------------|
| SEQN: 26187<br>FROM: CVB | EJAC | Ply: 1<br>Qty: 1 | Job Number: B56442a<br>Otero Res<br>Truss Label: EJ10 | Cust: R 857 JRef: 1XMT8570005 T3<br>DrwNo: 031.23.2009.48457<br>GA / FV 01/31/2023 |
|--------------------------|------|------------------|-------------------------------------------------------|------------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                            | Wind Criteria                                                                                                                                                                                                                                                                                  | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                               | Defl/CSI Criteria                                                                                                                                                                                                                                               | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.25<br>Spacing: 24.0" | Wind Std: ASCE 7 16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 4.2 psf<br>BCDL: 6.0 psf<br>MWFRS Parallel Dist: h/2 to h<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 9.00 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Yes<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.025 I 999 240<br>VERT(CL): 0.044 I 999 180<br>HORZ(LL): 0.006 G<br>HORZ(TL): 0.012 G<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.198<br>Max BC CSI: 0.204<br>Max Web CSI: 0.281<br><br>VIEW Ver: 21.01.03A.0805.15 | Gravity Non Gravity<br>Loc R+ / R / Rh / Rw / U / RL<br>B 568 / / /343 /130 /139<br>F 432 / / /235 /90 /<br>Wind reactions based on MWFRS<br>B Brg Wid = 3.5 Min Req = 1.5<br>F Brg Wid = 3.5 Min Req = 1.5<br>Bearings B & F are a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp.<br>B C 382 866 |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;  
Rt Bearing Leg: 2x4 SP #3;

#### Purlins

In lieu of structural panels use purlins to brace all flat  
TC @ 24" oc.

#### Wind

Wind loads based on MWFRS with additional C&C  
member design.

Right end vertical exposed to wind pressure.  
Deflection meets L/180.

Wind loading based on both gable and hip roof types.



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#### Maximum Bot Chord Forces Per Ply (lbs)

| Chords | Tens.Comp. | Chords | Tens. Comp. |
|--------|------------|--------|-------------|
|--------|------------|--------|-------------|

B I 800 505 I H 794 509

#### Maximum Web Forces Per Ply (lbs)

| Webs | Tens.Comp. | Webs | Tens. Comp. |
|------|------------|------|-------------|
|------|------------|------|-------------|

C H 322 588 F G 402 263  
D G 305 461 E F 703 657

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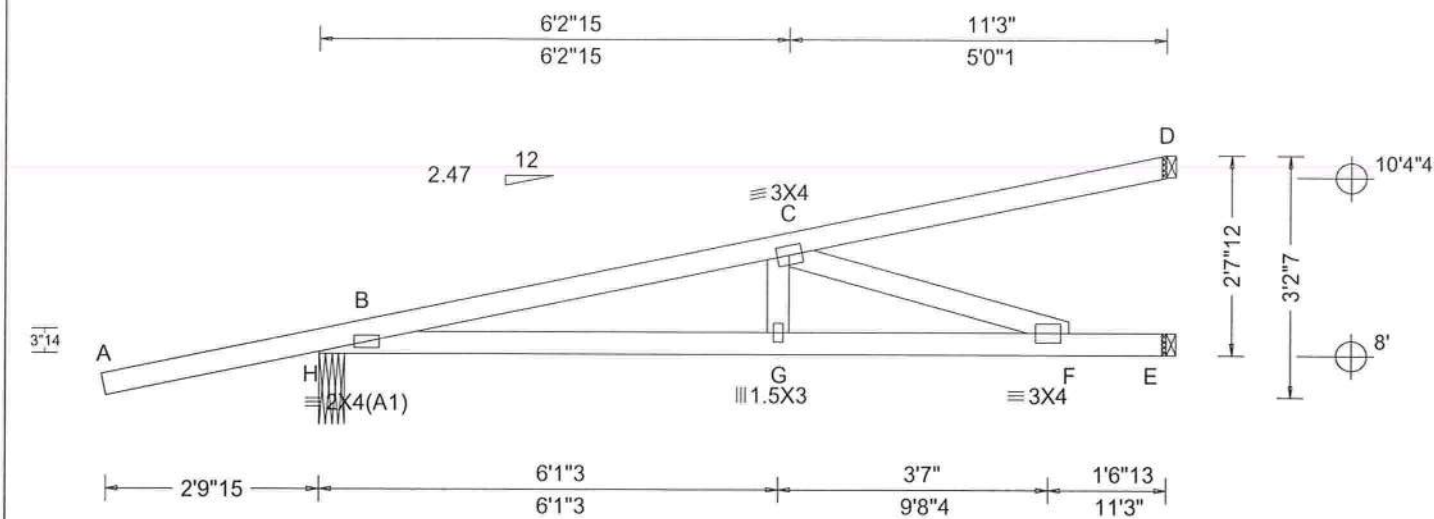
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|--------------------------|------|------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------|
| SEQN: 26193<br>FROM: CVB | HIP_ | Ply: 1<br>Qty: 3 | Job Number: B56442a<br>Otero Res<br>Truss Label: HJ11 | Cust: R 857 JRef: 1XMT8570005 T18<br>DrwNo: 031.23.2009.41797<br>GA / FV 01/31/2023 |
|--------------------------|------|------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                             | Wind Criteria                                                                                                                                                                                                                                                                                  | Snow Criteria (Pg,Pf in PSF)                                                                                                                                                                                             | Defl/CSI Criteria                                                                                                                                                                                                                                               | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7 16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 4.2 psf<br>BCDL: 6.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 4.50 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Varies by Ld Case<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.134 F 992 240<br>VERT(CL): 0.253 F 526 180<br>HORZ(LL): 0.019 C<br>HORZ(TL): 0.036 C<br><br>Creep Factor: 2.0<br>Max TC CSI: 0.629<br>Max BC CSI: 0.932<br>Max Web CSI: 0.411<br><br>VIEW Ver: 21.01.03A.0805.15 | Gravity Non Gravity<br>Loc R+ / R / Rh / Rw / U / RL<br>H 415 / / / /132 /<br>E 405 / / / /53 /<br>D 114 / / / /39 /<br>Wind reactions based on MWFRS<br>H Brg Wid = 4.2 Min Req = 1.5<br>E Brg Wid = 1.5<br>D Brg Wid = 1.5<br>Bearing H is a rigid surface.<br>Members not listed have forces less than 375#<br>Maximum Top Chord Forces Per Ply (lbs)<br>Chords Tens.Comp. |

#### Lumber

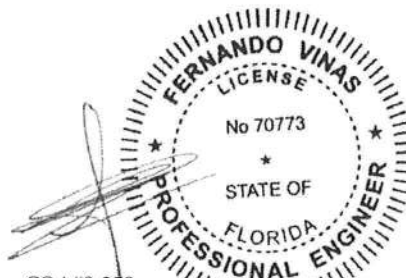
Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;

#### Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
TC: From 0 plf at 2.89 to 54 plf at 0.06  
TC: From 2 plf at 0.06 to 2 plf at 11.25  
BC: From 2 plf at 0.00 to 2 plf at 11.25  
TC: 16 lb Conc. Load at 2.79  
TC: 151 lb Conc. Load at 5.62  
TC: 264 lb Conc. Load at 8.45  
BC: 45 lb Conc. Load at 2.79  
BC: 129 lb Conc. Load at 5.62  
BC: 206 lb Conc. Load at 8.45

#### Wind

Wind loads and reactions based on MWFRS.  
Wind loading based on both gable and hip roof types.

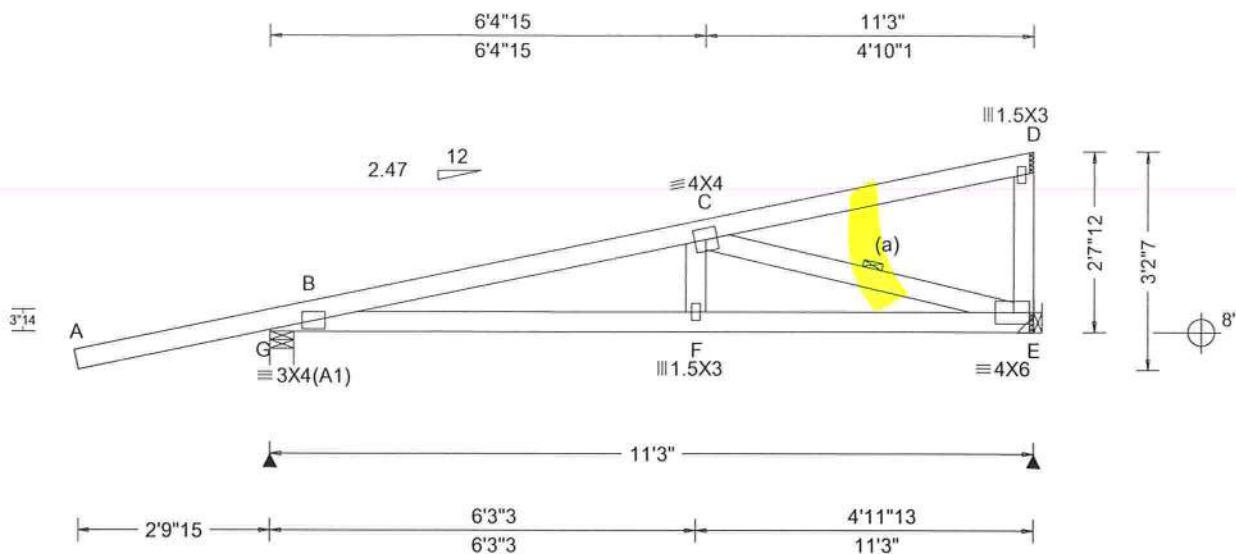


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|--------------------------|------|------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------|
| SEQN: 26181<br>FROM: CVB | HIP_ | Ply: 1<br>Qty: 1 | Job Number: B56442a<br>Otero Res<br>Truss Label: HJ11A | Cust: R 857 JRef: 1XMT8570005 T13<br>DrwNo: 031.23.2009.32373<br>GA / FV 01/31/2023 |
|--------------------------|------|------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------|



| Loading Criteria (psf)                                                                                                                             | Wind Criteria                                                                                                                                                                                                                                                                                  | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                                         | Defl/CSI Criteria                                                                                                                                                                                                                                       | ▲ Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCCL: 7.00<br>BCCL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCCL: 10.00<br>Soffit: 0.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7 16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCCL: 4.2 psf<br>BCDL: 6.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: not in 4.50 ft<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Varies by Ld Case<br>FT/RT: 20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.085 F 999 240<br>VERT(CL): 0.152 F 876 180<br>HORZ(LL): 0.019 E<br>HORZ(TL): 0.033 E<br>Creep Factor: 2.0<br>Max TC CSI: 0.637<br>Max BC CSI: 0.795<br>Max Web CSI: 0.723<br>VIEW Ver: 21.01.03A.0805.15 | Gravity Non Gravity<br>Loc R+ / R / Rh / Rw / U / RL<br>G 908 / / / /123 /<br>E 894 / / / /83 /<br>Wind reactions based on MWFRS<br>G Brg Wid = 4.2 Min Req = 1.5<br>E Brg Wid =<br>Bearing G is a rigid surface.<br>Members not listed have forces less than 375#<br>Maximum Top Chord Forces Per Ply (lbs)<br>Chords Tens.Comp.<br>B C 246 2214 |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;  
Webs: 2x4 SP #3;

#### Bracing

(a) Continuous lateral restraint equally spaced on member. Or 1x4 #3SRB SPF S or better "T" reinforcement. 80% length of web member. Attached with 8d Box or Gun (0.113"x2.5", min.) nails @ 6" oc.

#### Special Loads

(Lumber Dur.Fac.=1.25 / Plate Dur.Fac.=1.25)  
 TC: From 54 plf at 2.89 to 54 plf at 11.25  
 BC: From 20 plf at 0.00 to 20 plf at 11.25  
 TC: 16 lb Conc. Load at 2.79  
 TC: 151 lb Conc. Load at 5.62  
 TC: 264 lb Conc. Load at 8.45  
 BC: 45 lb Conc. Load at 2.79  
 BC: 129 lb Conc. Load at 5.62  
 BC: 206 lb Conc. Load at 8.45

#### Hangers / Ties

(J) Hanger Support Required, by others

#### Wind

Wind loads and reactions based on MWFRS.

Right end vertical exposed to wind pressure.

Deflection meets L/180.

Wind loading based on both gable and hip roof types.



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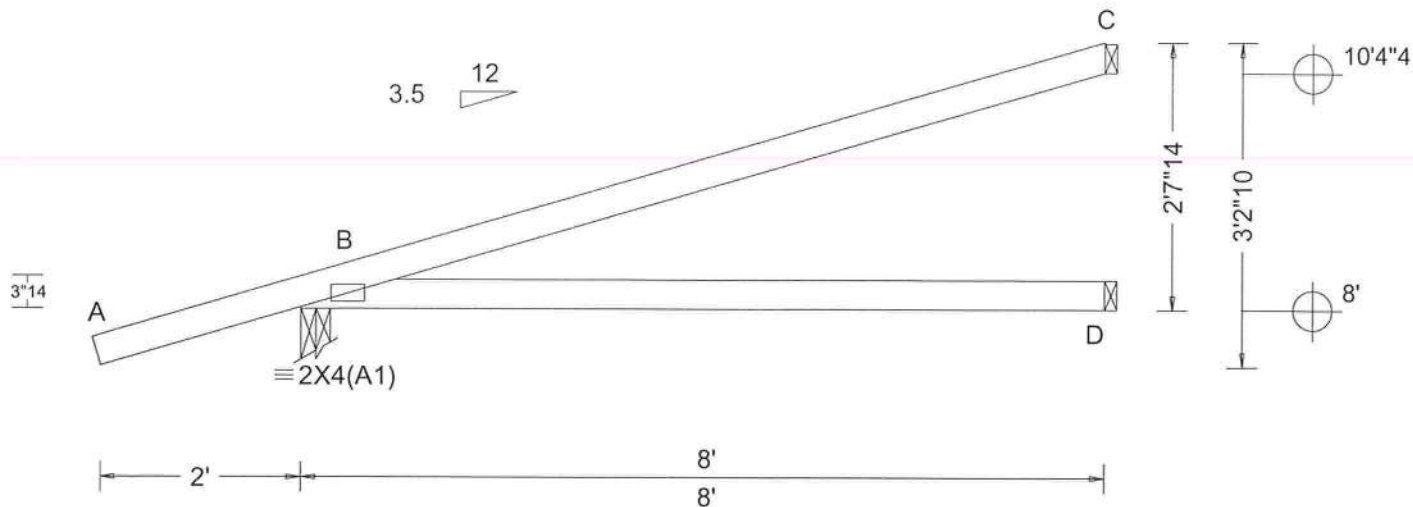
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|                          |                          |                                                     |                                                                                    |
|--------------------------|--------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------|
| SEQN: 26189<br>FROM: CVB | MONO<br>Ply: 1<br>Qty: 2 | Job Number: B56442a<br>Otero Res<br>Truss Label: M1 | Cust: R 857 JRef: 1XMT8570005 T8<br>DrwNo: 031.23.2009.16257<br>GA / FV 01/31/2023 |
|--------------------------|--------------------------|-----------------------------------------------------|------------------------------------------------------------------------------------|



| Loading Criteria (psf) | Wind Criteria                     | Snow Criteria (Pg,Pf in PSF) | Defl/CSI Criteria               | ▲ Maximum Reactions (lbs)                     |                             |     |             |      |      |      |
|------------------------|-----------------------------------|------------------------------|---------------------------------|-----------------------------------------------|-----------------------------|-----|-------------|------|------|------|
| TCLL: 20.00            | Wind Std: ASCE 7 16               | Pg: NA Ct: NA CAT: NA        | PP Deflection in loc L/defl L/# | Gravity                                       |                             |     | Non Gravity |      |      |      |
| TCDL: 7.00             | Speed: 130 mph                    | Pf: NA Ce: NA                | VERT(LL): NA                    | Loc                                           | R+                          | / R | / Rh        | / Rw | / U  | / RL |
| BCLL: 0.00             | Enclosure: Closed                 | Lu: NA Cs: NA                | VERT(CL): NA                    | B                                             | 432                         | /   | /           | /270 | /102 | /100 |
| BCDL: 10.00            | Risk Category: II                 | Snow Duration: NA            | HORZ(LL): 0.019 B               | D                                             | 141                         | /   | /           | /75  | /    | /    |
|                        | EXP: C Kzt: NA                    |                              | HORZ(TL): 0.034 B               | C                                             | 186                         | /   | /           | /83  | /90  | /    |
| Des Ld: 37.00          | Mean Height: 15.00 ft             | Building Code:               | Creep Factor: 2.0               | Wind reactions based on MWFRS                 |                             |     |             |      |      |      |
| NCBCLL: 10.00          | TCDL: 4.2 psf                     | FBC 7th Ed. 2020 Res.        | Max TC CSI: 0.590               | B                                             | Brg Wid = 3.5 Min Req = 1.5 |     |             |      |      |      |
| Soffit: 0.00           | BCDL: 6.0 psf                     | TPI Std: 2014                | Max BC CSI: 0.453               | D                                             | Brg Wid = 1.5               |     |             |      |      |      |
| Load Duration: 1.25    | MWFRS Parallel Dist: h/2 to h     | Rep Fac: Yes                 | Max Web CSI: 0.000              | C                                             | Brg Wid = 1.5               |     |             |      |      |      |
| Spacing: 24.0 "        | C&C Dist a: 3.00 ft               | FT/RT:20(0)/0(0)             |                                 | Bearing B is a rigid surface.                 |                             |     |             |      |      |      |
|                        | Loc. from endwall: not in 9.00 ft | Plate Type(s):               |                                 | Members not listed have forces less than 375# |                             |     |             |      |      |      |
|                        | GCpt: 0.18                        | WAVE                         | VIEW Ver: 21.01.03A.0805.15     |                                               |                             |     |             |      |      |      |
|                        | Wind Duration: 1.60               |                              |                                 |                                               |                             |     |             |      |      |      |

#### Lumber

Top chord: 2x4 SP #1;  
Bot chord: 2x4 SP #1;

#### Wind

Wind loads based on MWFRS with additional C&C member design.

Wind loading based on both gable and hip roof types.



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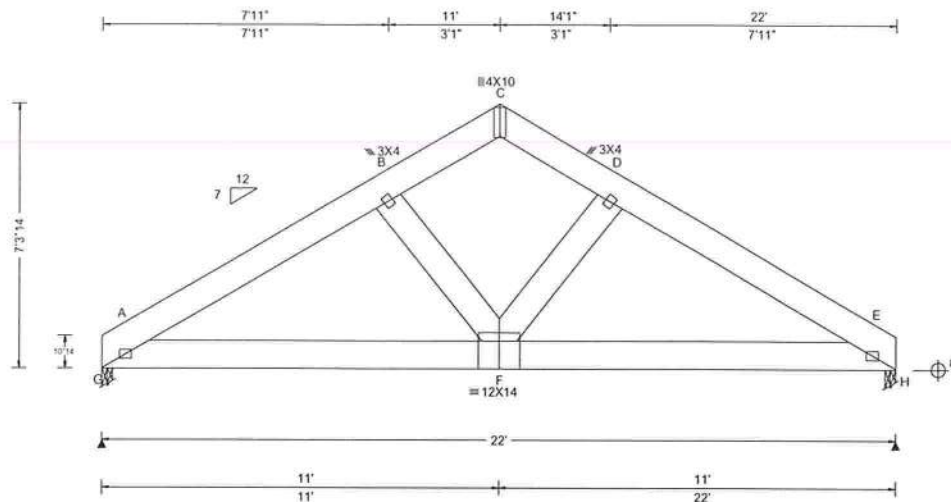
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|--------------------------|--------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------|
| SEQN: 26268<br>FROM: CVB | GABL<br>Ply: 2<br>Qty: 2 | Job Number: B56442a<br>Otero Res<br>Truss Label: S1 | Cust: R 857 JRef: 1XMT8570005 T20<br>DrwNo: 031.23.2009.09133<br>GA / FV 01/31/2023 |
|--------------------------|--------------------------|-----------------------------------------------------|-------------------------------------------------------------------------------------|

2 Complete Trusses Required



| Loading Criteria (psf)                                                                                                                            | Wind Criteria                                                                                                                                                                                                                                                                       | Snow Criteria (Pg, Pf in PSF)                                                                                                                                                                                            | Defl/CSI Criteria                                                                                                                                                                                                                                           | Maximum Reactions (lbs)                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TCLL: 20.00<br>TCDL: 7.00<br>BCLL: 0.00<br>BCDL: 10.00<br>Des Ld: 37.00<br>NCBCLL: 0.00<br>Soffit: 0.00<br>Load Duration: 1.25<br>Spacing: 24.0 " | Wind Std: ASCE 7 16<br>Speed: 130 mph<br>Enclosure: Closed<br>Risk Category: II<br>EXP: C Kzt: NA<br>Mean Height: 15.00 ft<br>TCDL: 4.2 psf<br>BCDL: 6.0 psf<br>MWFRS Parallel Dist: 0 to h/2<br>C&C Dist a: 3.00 ft<br>Loc. from endwall: Any<br>GCpi: 0.18<br>Wind Duration: 1.60 | Pg: NA Ct: NA CAT: NA<br>Pf: NA Ce: NA<br>Lu: NA Cs: NA<br>Snow Duration: NA<br><br>Building Code:<br>FBC 7th Ed. 2020 Res.<br>TPI Std: 2014<br>Rep Fac: Varies by Ld Case<br>FT/RT:20(0)/0(0)<br>Plate Type(s):<br>WAVE | PP Deflection in loc L/defl L/#<br>VERT(LL): 0.037 F 999 240<br>VERT(CL): 0.076 F 999 180<br>HORZ(LL): 0.015 B<br>HORZ(TL): 0.030 B<br>Creep Factor: 2.0<br>Max TC CSI: 0.291<br>Max BC CSI: 0.157<br>Max Web CSI: 0.014<br><br>VIEW Ver: 21.01.03A.0805.15 | Gravity Non Gravity<br>Loc R+ / R / Rh / Rw / U / RL<br>G 1240 / / /536 /251 /226<br>H 1240 / / /536 /251 /<br>Wind reactions based on MWFRS<br>G Brg Wid = 3.5 Min Req = 1.5<br>H Brg Wid = 3.5 Min Req = 1.5<br>Bearings G & H are a rigid surface.<br>Members not listed have forces less than 375#<br><b>Maximum Top Chord Forces Per Ply (lbs)</b><br>Chords Tens.Comp. Chords Tens. Comp.<br>A B 289 811 C D 297 650<br>B C 297 650 D E 289 811 |

#### Lumber

Top chord: 2x10 SP #2;  
Bot chord: 2x10 SP #2;  
Webs: 2x10 SP #2;

#### Nailnote

Nail Schedule: 0.128"x3", min. nails  
Top Chord: 1 Row @12.00" o.c.  
Bot Chord: 1 Row @12.00" o.c.  
Webs : 1 Row @ 4" o.c.  
Use equal spacing between rows and stagger nails  
in each row to avoid splitting.

#### Plating Notes

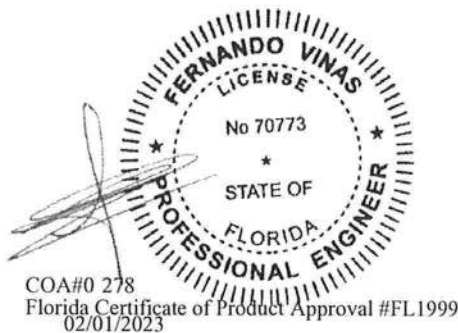
All plates are 3X4(A1) except as noted.

#### Loading

Truss designed to support 1 4 0 top chord outlookers  
and cladding load not to exceed 6.00 PSF one face  
and 24.0" span opposite face. Top chord must not be  
cut or notched, unless specified otherwise.

#### Wind

Wind loads based on MWFRS with additional C&C  
member design.  
Wind loading based on both gable and hip roof types.



COA#0 278  
Florida Certificate of Product Approval #FL1999  
02/01/2023

**\*\*WARNING\*\*** READ AND FOLLOW ALL NOTES ON THIS DRAWING!  
**\*\*IMPORTANT\*\*** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI (Building Component Safety Information, by TPI and SBCA) for safety practices prior to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections B3, B7, or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A Z for standard plate positions. Refer to job's General Notes page for additional information.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation and bracing of trusses. A seal on this drawing or cover page listing this drawing, indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see these web sites: Alpine: [alpineitw.com](http://alpineitw.com); TPI: [tpinst.org](http://tpinst.org); SBCA: [sbacompnents.com](http://sbacompnents.com); ICC: [iccsafe.org](http://iccsafe.org); AWC: [awc.org](http://awc.org)

**ALPINE**  
AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025



# Piggyback Detail - ASCE 7-16: 160 mph, 30' Mean Height, Enclosed, Exposure C, Kzt=1.00

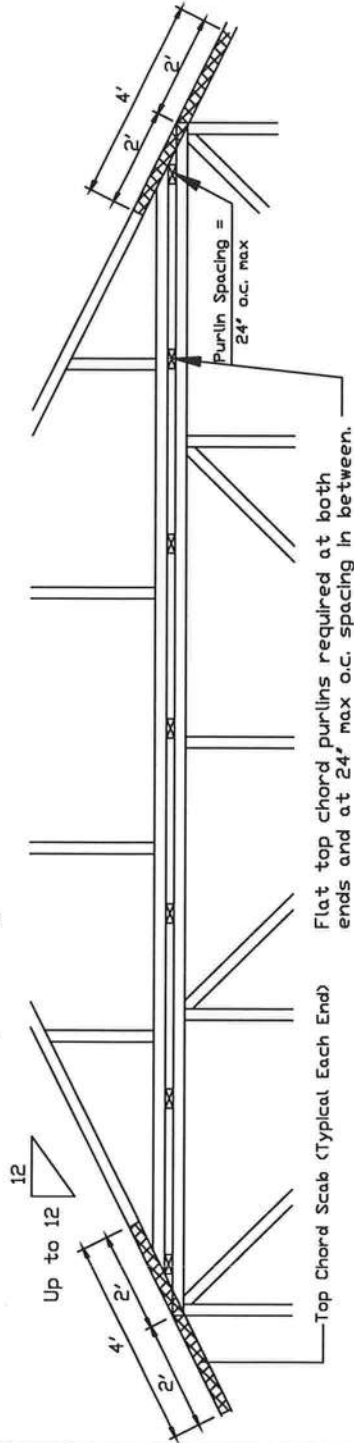
160 mph Wind, 3000 ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0  
Or 140 mph wind, 3000 ft Mean Hgt, ASCE 7-16, Enclosed Bldg, located anywhere in roof, Exp D, Wind DL= 5.0 psf (min), Kzt=1.0

Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.

Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.

Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.

## Detail A : Purlin Spacing = 24" o.c. or less

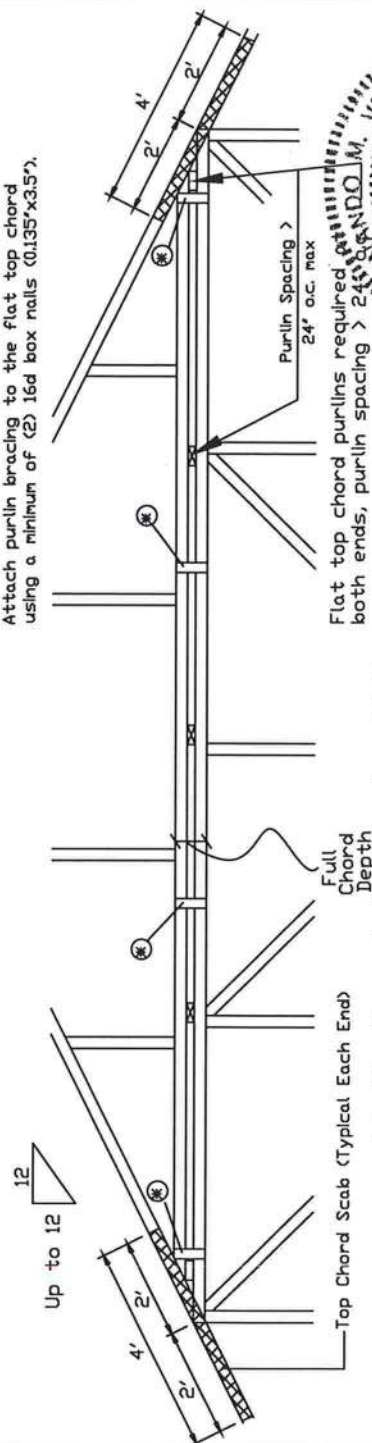


Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.

Attach purlin bracing to the flat top chord using (2) 16d box nails (0.135"x3.5").

The top chord #3 grade 2x4 scab may be replaced with either of the following: (1) 3X8 Trulox plate attached with (8) 0.120"x1.375" nails, (4) into cap TC & (4) into base truss TC or (1) 28PB wave piggyback plate plated to the piggyback truss TC and attached to the base truss TC with (4) 0.120"x1.375" nails. Note: Nailing thru holes of wave plate is acceptable.

## Detail B : Purlin Spacing > 24" o.c.



Piggyback cap truss slant nailed to all top chord purlin bracing with (2) 16d box nails (0.135"x3.5") and secure top chord with 2x4 #3 grade scab (1 side only at each end) attached with 2 rows of 10d box nails (0.128"x3") at 4' o.c.  
Attach purlin bracing to the flat top chord using a minimum of (2) 16d box nails (0.135"x3.5").

Note: If purlins or sheathing are not specified on the flat top of the base truss, purlins must be installed at 24' o.c. max. and use Detail A.

\* In addition, provide connection with one of the following methods:

**Trulox**  
Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) in base truss top chord. Trulox plates may be staggered 4' o.c. front to back faces.

**APA Rated Gusset**

8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 0.113"x2" nails per gusset. (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.

**2x4 Vertical Scabs**

2x4 SPF #2, full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.

**28PB Wave Piggyback Plate**

One 28PB wave piggyback plate to each face @ 8' o.c. Attach teeth to piggyback at time of fabrication. Attach teeth to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces.

**IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING INCLUDING THE INSTALLERS.**  
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, by TPI and SBCA for safety instructions to performing these functions. Installers shall provide temporary bracing per BCSI. Unless noted otherwise, all trusses shall be installed in accordance with the following: Trusses shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BCSI sections 83, 87 or 910, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise.  
Refer to drawings 160A-2 for standard plate positions.  
Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, or bracing of trusses.  
The installer shall be responsible for obtaining the necessary permits and for the safety of the engineering responsibility solely for the design shown. The availability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.  
For more information see this job's general notes page and these web sites:  
www.alpineinc.com  
www.bcsi.com

**ALPINE**  
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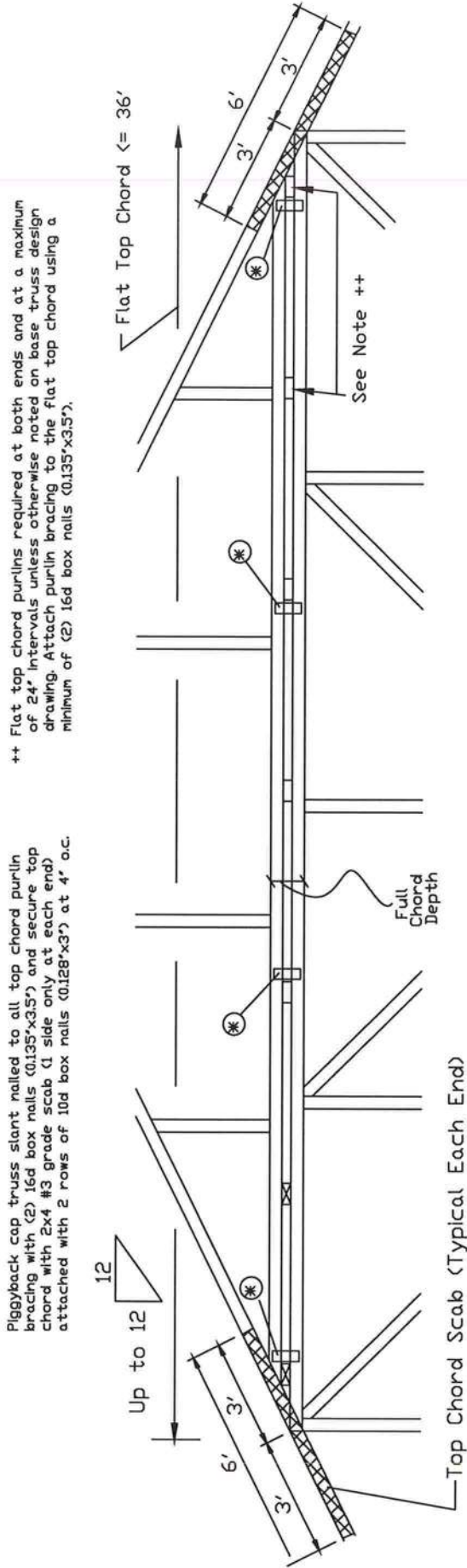
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
No 70773  
TERMINATION LICENSE  
02/01/2025

|       |             |
|-------|-------------|
| REF   | PIGGYBACK   |
| DATE  | 01/02/2018  |
| DRWG  | PB160160118 |
| SCALE | 24" = 1'    |



Piggyback Detail - ASCE 7-16: 180 mph, 30' Mean Hgt, Partially Enclosed, Exp. C, Kzt=1.00

180 mph Wind, 30.00 ft Mean Hgt, ASCE 7-16, Part. Enclosed Bldg. located anywhere in roof, Exp C, Wind DL= 5.0 psf (min), Kzt=1.0.  
Dr 160 mph wind, 30.00 ft Mean Hgt, ASCE 7-16, Part. Enclosed Bldg. located anywhere in roof, Exp D, wind DL= 5.0 psf (min), Kzt=1.0.  
Note: Top chords of trusses supporting piggyback cap trusses must be adequately braced by sheathing or purlins. The building Engineer of Record shall provide diagonal bracing or any other suitable anchorage to permanently restrain purlins, and lateral bracing for out of plane loads over gable ends.  
Maximum truss spacing is 24' o.c. detail is not applicable if cap supports additional loads such as cupola, steeple, chimney or drag strut loads.  
\*\* Refer to Engineer's sealed truss design drawing for piggyback and base truss specifications.



| * In addition, provide connection with one of the following methods:                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Trulox</b><br>Use 3X8 Trulox plates for 2x4 chord member, and 3X10 Trulox plates for 2x6 and larger chord members. Attach to each face @ 8' o.c. with (4) 0.120"x1.375" nails into cap bottom chord and (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces. | <b>28PB Wave Piggyback Plate</b><br>Use 28PB wave piggyback plate to each face of 8' o.c. Attach teeth to piggyback at time of installation. Attach to supporting truss with (4) 0.120"x1.375" nails per face per ply. Piggyback plates may be staggered 4' o.c. front to back faces. |
| <b>APA Rated Gusset</b><br>8"x8"x7/16" (min) APA rated sheathing gussets (each face). Attach @ 8' o.c. with (8) 6d common (0.113"x2") nails per gusset, (4) in cap bottom chord and (4) in base truss top chord. Gussets may be staggered 4' o.c. front to back faces.                                              | <b>2x4 Vertical Scabs</b><br>2x4 SPF #2, Full chord depth scabs (each face). Attach @ 8' o.c. with (6) 10d box nails (0.128"x3") per scab, (3) in cap bottom chord and (3) in base truss top chord. Scabs may be staggered 4' o.c. front to back faces.                               |

**IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING BEFORE BEGINNING THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.**

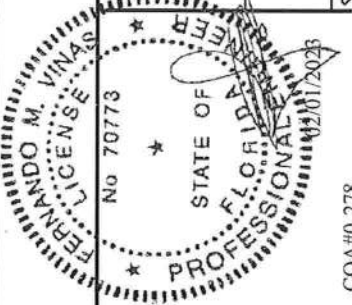
Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BCSI Building Component Safety Information, by TPI and BCSA for safety instructions prior to performing these functions. Installers shall provide temporary bracing per BCSI. Under no circumstances shall the trusses be installed without the proper bracing. The contractor shall have a properly attached rigid ceiling. Location of bracing shall be as shown on the drawing. Trusses shall be braced installed per BCSI sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joint Details, unless noted otherwise. Refer to drawings 160A-Z for standard plate positions.

Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping, installation, or bracing of trusses.

The contractor shall be responsible for obtaining the necessary permits and for obtaining the engineering responsibility solely for the design shown. The availability and use of the drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites:

REF PIGGYBACK  
DATE 01/02/2018  
DRWG PB180160118





This drawing specifies repairs for a truss with broken chord or web member.

This design is valid only for single ply trusses with 2x4 or 2x6 broken members. No more than one break per chord panel and no more than two breaks per truss are allowed. Contact the truss manufacturer for any repairs that do not comply with this detail.

(B) = Damaged area, 12" max length of damaged section  
(L) = Minimum nailing distance on each side of damaged area (B)  
(S) = Two 2x4 or two 2x6 side members, same size, grade, and species as damaged member. Apply one scab per face. Minimum side member length(s) =  $(2)(L) + (B)$

Scab member length (S) must be within the broken panel.

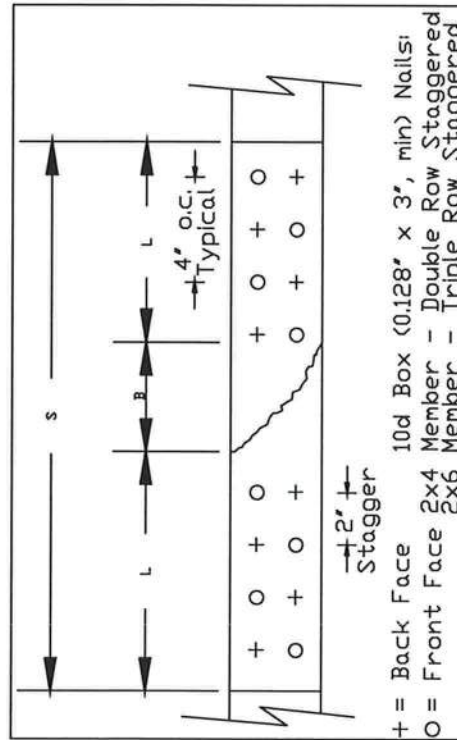
Nail into 2x4 members using two (2) rows at 4' o.c., rows staggered.  
Nail into 2x6 members using three (3) rows at 4' o.c., rows staggered.  
Nail using 10d box or gun nails (.128"x3", min) into each side member.

The maximum permitted lumber grade for use with this detail is limited to Visual grade #1 and MSR grade 1650f.

This repair detail may be used for broken connector plate at mid-panel splices.

This repair detail may not be used for damaged chord or web sections occurring within the connector plate area.

Broken chord may not support any tie-in loads.



**ALPINE**<sup>®</sup>

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**IMPORTANT** READ AND FOLLOW ALL NOTES ON THIS DRAWING  
**WARNING** FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of BC3 Guiding Component Safety Information, by TPI and SBCA for safety practices prior to performing these functions. Installers shall provide temporary bracing per BC31. Unless noted otherwise, top chord shall have properly attached structural sheathing and bottom chord shall have a properly attached rigid ceiling. Locations shown for permanent lateral restraint of webs shall have bracing installed per BC31 sections B3, B7 or B10, as applicable. Apply plates to each face of truss and position as shown above and on the Joist Details, unless noted otherwise.

[illegible]

Alphex, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from this drawing, any failure to build the truss in conformance with ANSI/TPI 1, or for handling, shipping,

A seal on this drawing or cover page listing this drawing, indicates acceptance of professional installation & bracing of trusses.

responsibility solely for the design shown. The suitability and use of this draw-

For more information on this life's essential water need and the water situation, visit [www.aqua.org](http://www.aqua.org).

**No 70773**

DATE 10/01/14

DRWG REPCHRD1014

STATE OF FLORIDA  
No 70773  
PROFESSIONAL ENGINEER  
02/26/2023  
COA #0 278

COA#0 278

[illegible]



ASCE 7-16: 140 mph Wind Speed, 15' Mean Height, Enclosed, Exposure C,  $K_{zt} = 1.00$

|     |     |     |      |        |     |      |         |           |           |               |               |
|-----|-----|-----|------|--------|-----|------|---------|-----------|-----------|---------------|---------------|
| Dr: | 120 | mph | Wind | Speed, | 15' | Mean | Height, | Partially | Enclosed, | Exposure      | C, Kzt = 1.00 |
| Dr: | 120 | mph | Wind | Speed, | 15' | Mean | Height, | Enclosed, | Exposure  | D, Kzt = 1.00 |               |
| Dr: | 100 | mph | Wind | Speed, | 15' | Mean | Height, | Partially | Enclosed, | Exposure      | D, Kzt = 1.00 |

Bracing Group Species and Grades:

Group A:

Spruce-Pine-Fir

#1 / #2    #3

Standard    Stud

Hein-Fir

#2    #3

Standard    Standard

Douglas Fir-Larch

#3

Stud

Standard

Southern Pine

#3

Stud

Standard

Group B:

Hein-Fir

#1 & Btr

#1

Douglas Fir-Larch

#1    #2

Southern Pine

#1    #2

1x4 Braces shall be SRB (Stress-Rated Board).

For 1x4 So. Pine use only Industrial 55 or Industrial 45 Stress-Rated Boards. Group B values may be used with these grades.

Gable Truss Detail Notes:

Wind Load deflection criterion is  $L/240$ .

Provide uplift connections for 55 plf over continuous bearing (5 psf TC Dead Load).

Gable end supports load from 4' 0" outlookers with 2' 0" overhang, or 12" plywood overhang.

Attach 'L' braces with 10d (0.128"x3.0" min) nails.

\* For (1) 'L' brace: space nails at 2' o.c.

In 18' end zones and 4' o.c. between zones.

In 18' and zones and 6' o.c. between zones

IN 10 END ZONES AND 0 O.C. BETWEEN ZONES:

| Gable Vertical Plate Sizes |            |
|----------------------------|------------|
| Vertical Length            | No Splice  |
| Less than 4' 0"            | 1X4 or 2X3 |
| Greater than 4' 0"         | 3X4        |

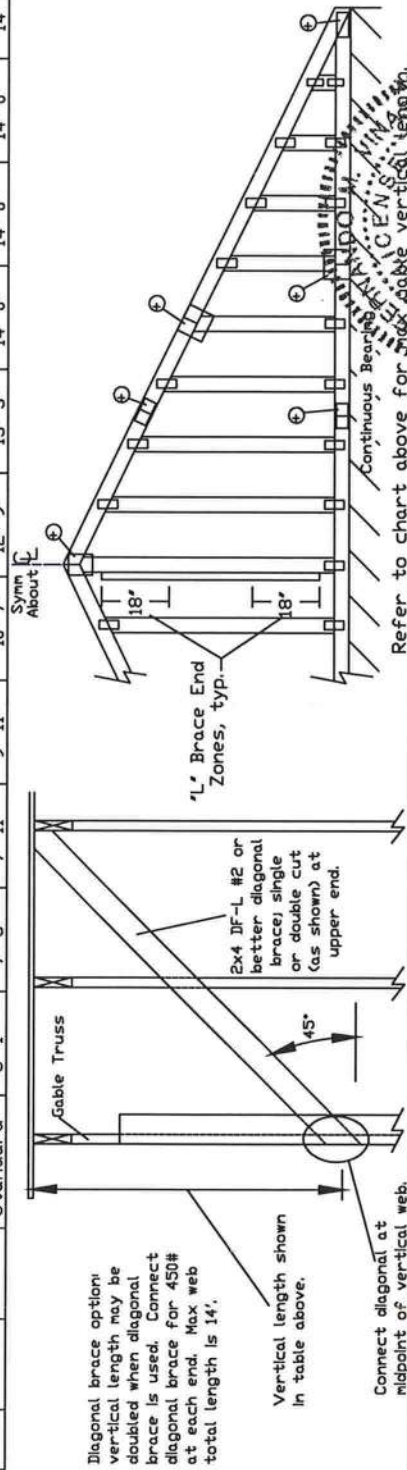
+ Refer to common truss design for peak, splice, and heel plates.

Refer to common truss design for peak, splice, and heel plates.

Refer to the Building Designer for conditions not addressed by this detail.

|      |                   |
|------|-------------------|
| REF  | ASCE7-16-GABI4015 |
| DATE | 01/26/2018        |
| DRWG | A14015ENC160118   |

|                      |
|----------------------|
| MAX. TOT. LD. 60 PSF |
| MAX. SPACING 24.0"   |



Refer to chart above for indexable vertical length.

READ AND FOLLOW ALL NOTES ON THIS DRAWING  
FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

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Alpine, a division of ITV Building Components Group Inc. shall not be responsible for any deviation from

is drawing, any failure to build the truss in conformance with ANSL/TPI 1, or for handling, shipping, tallation & bracing of trusses.

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any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

FOR MORE INFORMATION SEE THIS JOB'S GENERAL NOTES PAGE AND THESE WEB SITES:  
 AL DUNE, [www.alindunet.com](http://www.alindunet.com); TDT, [www.tdtdunet.com](http://www.tdtdunet.com); CDP&A, [www.cdpa.com](http://www.cdpa.com)

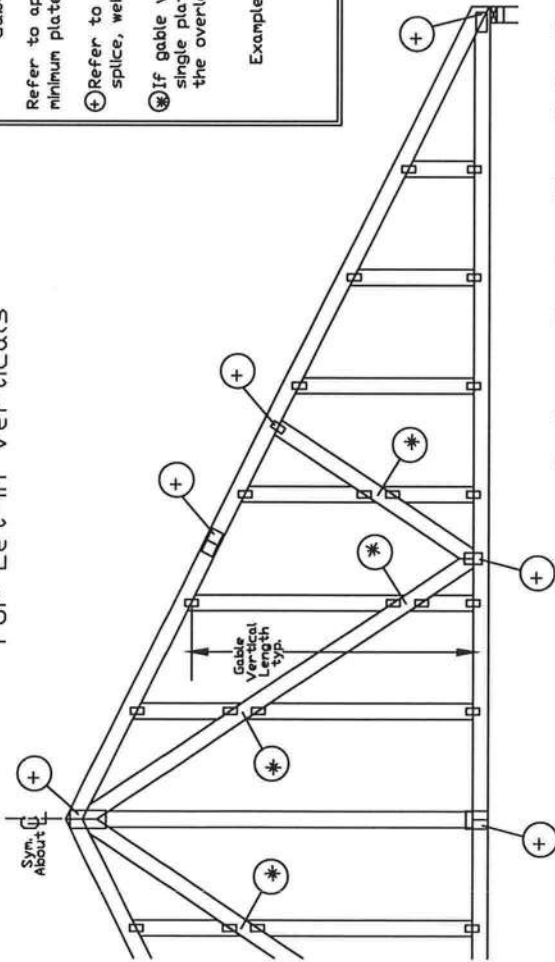
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24η'

247



# Gable Detail For Let-in Verticals

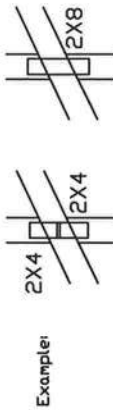


## Gable Truss Plate Sizes

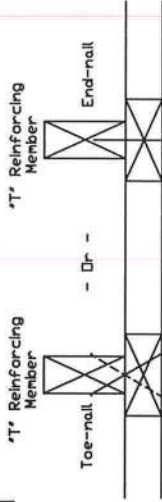
Refer to appropriate Alpine gable detail for minimum plate sizes for vertical studs.

⊕ Refer to Engineered truss design for peak, splice, web, and heel plates.

⊗ If gable vertical plates overlap, use a single plate that covers the total area of the overlapped plates to span the web.



## 'T' Reinforcement Attachment Detail



To convert from 'L' to 'T' reinforcing members, multiply 'T' increase by length (based on appropriate Alpine gable detail).

Maximum allowable 'T' reinforced gable vertical length is 14' from top to bottom chord.

'T' reinforcing member material must match size, specie, and grade of the 'L' reinforcing member.

## Web Length Increase w/ 'T' Brace

| 'T' Reinf. Mbr. Size | Increase |
|----------------------|----------|
| 2x4                  | 30 %     |
| 2x6                  | 20 %     |

Example:

ASCE 7-10 Wind Speed = 120 mph  
Mean Roof Height = 30 ft, Kzt = 1.00  
Gable Vertical = 24' o.c. SP #3

'T' Reinforcing Member Size = 2x4

'T' Brace Increase (From Above) = 30% = 1.30

⊕ 2x4 'L' Brace Length = 8' 7"

Maximum 'T' Reinforced Gable Vertical Length  
1.30 x 8' 7" = 11' 2"

Provide connections for uplift specified on the engineered truss design.

Attach each 'T' reinforcing member with

- End Driven Nails:
- 10d Common (0.148"x3.7min) Nails at 4' o.c. plus
- (4) nails in the top and bottom chords.

Toenailed Nails:

- 10d Common (0.148"x3.7min) Toenails at 4' o.c. plus
- (4) toenails in the top and bottom chords.

This detail to be used with the appropriate Alpine gable detail for ASCE wind load.

ASCE 7-05 Gable Detail Drawings

A13015051014, A12015051014, A1015051014, A10015051014, A14015051014, A13030051014, A12030051014, A11030051014, A10030051014, A14030051014

ASCE 7-10 & ASCE 7-16 Gable Detail Drawings

A11515ENC100118, A12015ENC100118, A14015ENC100118, A16015ENC100118, A18015ENC100118, A20015ENC100118, A22015ENC100118, A24015ENC100118, A11530ENC100118, A12030ENC100118, A14030ENC100118, A16030ENC100118, A18030ENC100118, A20030ENC100118, A22030ENC100118, A24030ENC100118, S11515ENC100118, S12015ENC100118, S14015ENC100118, S16015ENC100118, S18015ENC100118, S20015ENC100118, S22015ENC100118, S11530ENC100118, S12030ENC100118, S14030ENC100118, S16030ENC100118, S18030ENC100118, S20030ENC100118, S22030ENC100118

See appropriate Alpine gable detail for maximum unreinforced gable vertical length.

IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING

INSTALLERS: FURNISH THIS DRAWING TO ALL CONTRACTORS INCLUDING THE INSTALLERS.

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Alpine, a division of ITW Building Components Group Inc. shall not be responsible for any deviation from this drawing or cover page listing this drawing. Indicates acceptance of professional engineering responsibility solely for the design shown. The suitability and use of this drawing for any structure is the responsibility of the Building Designer per ANSI/TPI 1 Sec.2.

For more information see this job's general notes page and these web sites:

ALPINE: [www.alpineinc.com](http://www.alpineinc.com) TPI: [www.tpi.com](http://www.tpi.com) SBCA: [www.sbcacomponents.com](http://www.sbcacomponents.com) ICC: [www.iccsa.org](http://www.iccsa.org)



REF LET-IN VERT

DATE 01/02/2018

DRWG GBLLETIN0118

MAX. TOT. LD. 60 PSF

DUR. FAC. ANY

MAX. SPACING 24.0"



155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

# NAIL SPACING DETAIL

MINIMUM SPACING FOR SINGLE BLOCK IS SHOWN. DOUBLE NAIL SPACINGS AND STAGGER NAILING FOR TWO BLOCKS. GREATER SPACING MAY BE REQUIRED TO AVOID SPLITTING.

BLOCK LOCATION, SIZE, LENGTH, GRADE AND TOTAL NUMBER AND TYPE OF NAILS ARE TO BE SPECIFIED ON SEALED DESIGN REFERENCING THIS DETAIL.

LOAD PERPENDICULAR TO GRAIN

A - EDGE DISTANCE AND SPACING BETWEEN STAGGERED ROWS

OF NAILS (6 NAIL DIAMETERS)

B - SPACING OF NAILS IN A ROW (12 NAIL DIAMETERS)

C - END DISTANCE (15 NAIL DIAMETERS)

LOAD PARALLEL TO GRAIN

A - EDGE DISTANCE (6 NAIL DIAMETERS)

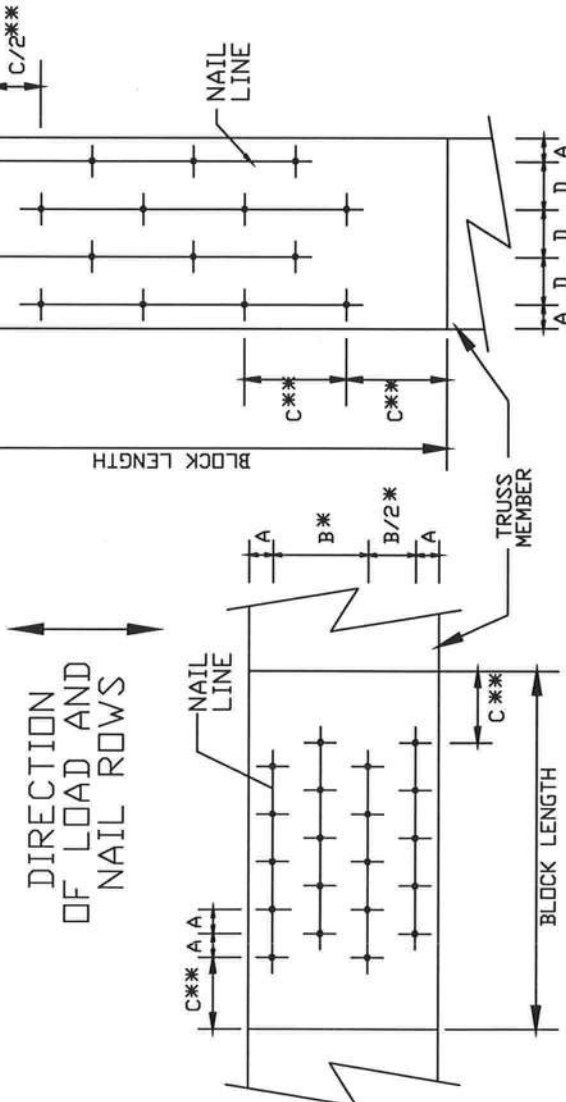
C - SPACING OF NAILS IN A ROW AND END DISTANCE (15 NAIL DIAMETERS)

D - SPACING BETWEEN STAGGERED ROWS OF NAILS (7 1/2 NAIL DIAMETERS)

IF NAIL HOLES ARE PREBORED, SOME SPACING MAY BE REDUCED BY THE AMOUNTS GIVEN BELOW.

\* SPACING MAY BE REDUCED BY 50%.

\*\* SPACING MAY BE REDUCED BY 33%.



LOAD APPLIED PERPENDICULAR TO GRAIN      LOAD APPLIED PARALLEL TO GRAIN

AN ITW COMPANY  
155 Harlem Ave  
North Building, 4th Floor  
Glenview, IL 60025

**IMPORTANT: READ AND FOLLOW ALL NOTES ON THIS DRAWING**

Trusses require extreme care in fabricating, handling, shipping, installing and bracing. Refer to and follow the latest edition of ITW Building Components Safety Information, by ITW and SCSA for safety and proper installation. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed in accordance with the manufacturer's instructions. Trusses shall be installed in accordance with the manufacturer's instructions.

For more information see this job's general notes page and these web sites:

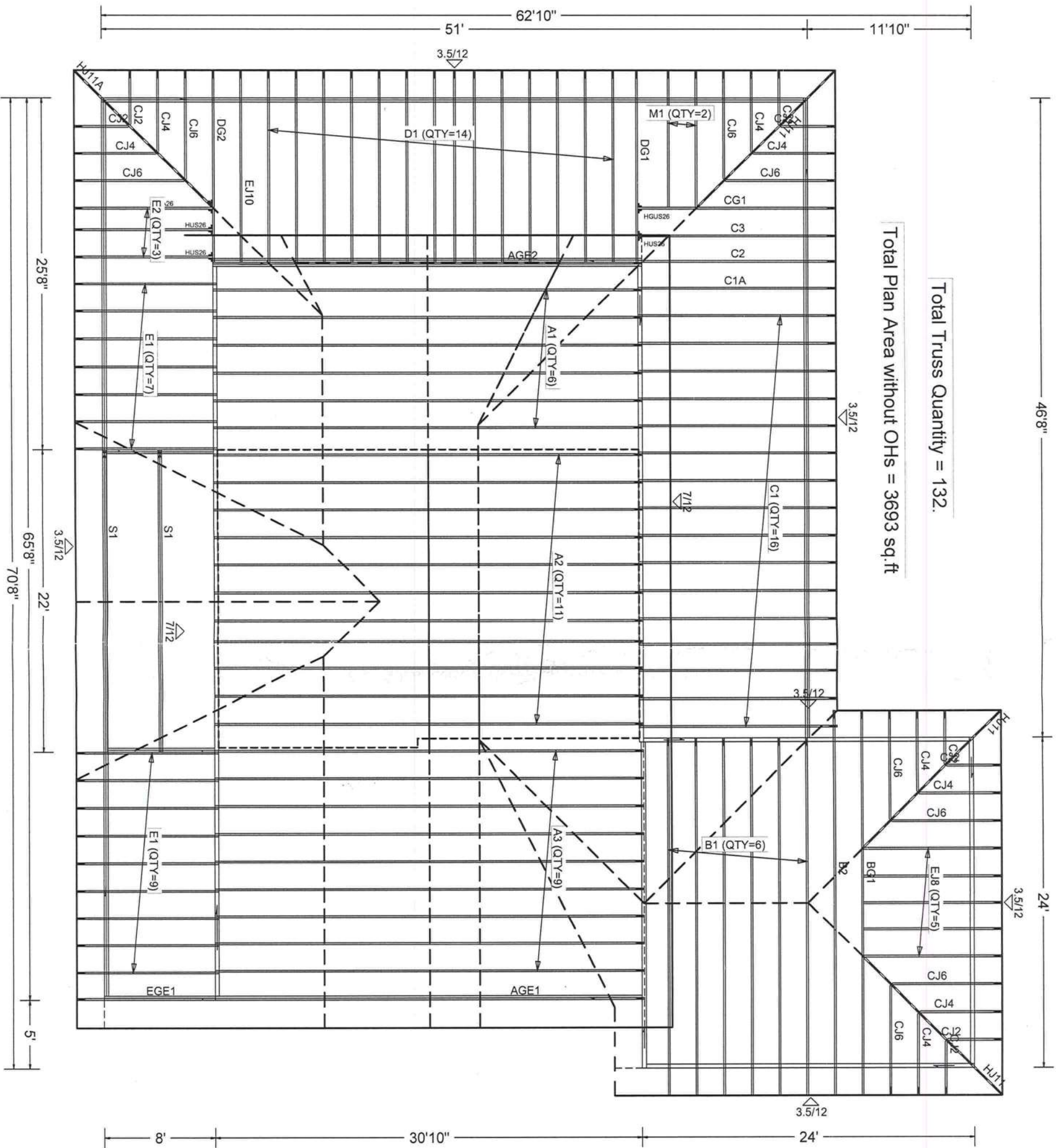
STATE OF FLORIDA  
PROFESSIONAL ENGINEER  
No 70773  
FERNANDO M. VINA  
2023

COA#0 278

MINIMUM NAIL SPACING DISTANCES

| NAIL TYPE                      | DISTANCES |        |        |        |
|--------------------------------|-----------|--------|--------|--------|
|                                | A         | B*     | C**    | D      |
| 8d BOX (0.113"X 2.5",MIN)      | 3/4"      | 1 3/8" | 1 3/4" | 7/8"   |
| 10d BOX (0.128"X 3",MIN)       | 7/8"      | 1 5/8" | 2"     | 1"     |
| 12d BOX (0.128"X 3.25",MIN)    | 7/8"      | 1 5/8" | 2"     | 1"     |
| 16d BOX (0.135"X 3.5",MIN)     | 7/8"      | 1 5/8" | 2 1/8" | 1 1/8" |
| 20d BOX (0.148"X 4",MIN)       | 1"        | 1 7/8" | 2 1/4" | 1 1/8" |
| 8d COMMON (0.131"X 2.5",MIN)   | 7/8"      | 1 5/8" | 2"     | 1"     |
| 10d COMMON (0.148"X 3",MIN)    | 1"        | 1 7/8" | 2 1/4" | 1 1/8" |
| 12d COMMON (0.148"X 3.25",MIN) | 1"        | 1 7/8" | 2 1/4" | 1 1/8" |
| 16d COMMON (0.162"X 3.5",MIN)  | 1"        | 2"     | 2 1/2" | 1 1/4" |
| GUN (0.120"X 2.5",MIN)         | 3/4"      | 1 1/2" | 1 7/8" | 1"     |
| GUN (0.131"X 2.5",MIN)         | 7/8"      | 1 5/8" | 2"     | 1"     |
| GUN (0.120"X 3",MIN)           | 3/4"      | 1 1/2" | 1 7/8" | 1"     |
| GUN (0.131"X 3",MIN)           | 7/8"      | 1 5/8" | 2"     | 1"     |





Total Truss Quantity = 132.

Total Plan Area without OHs = 3693 sq.ft

Job Name: Otero Res  
Customer: Erkinger Home Builders  
Designer: Diego Gonzalez  
PlanName:  
Created : 01-31-2023  
SemRef# : B56442a

JOB NO:

B56442a

PAGE NO:

1 OF 1

